



# Atatürk University Faculty of Medicine



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## **Pre-Graduate Medical Education 4th - 5th year Clerkship Guidebook**

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# ATATÜRK UNIVERSITY FACULTY OF MEDICINE GRADUATE QUALIFICATIONS



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## NATIONAL COMPETENCIES AND PROFICIENCIES OF POSTGRADUATE STUDENTS OF ATATÜRK UNIVERSITY MEDICAL FACULTY

### 1. BASIC COMPETENCE AREA / Professional Practices

#### COMPETENCE 1. Healthcare Provider

1.	Integrates the knowledge, skills and attitudes acquired from basic and clinical medical sciences, behavioral sciences and social sciences and uses them in healthcare provision.
2.	Shows a biopsychosocial approach in patient management, which takes into consideration the socio-demographic and socio-cultural background of the individual, regardless of language, religion, race and gender.
3.	In the provision of health care, he/she prioritizes protecting and improving the health of individuals and society.
4.	Taking into account the individual, social, and environmental factors affecting health, he/she performs the necessary studies to maintain and improve the health condition.
5.	By recognizing the characteristics, needs and expectations of the target audience, he/she provides health education to healthy / sick individuals and their relatives and other health professionals.
6.	Demonstrates a safe, rational and effective approach in health service provision, protection, diagnosis, treatment, follow-up and rehabilitation processes.
7.	Performs interventional and / or non-invasive practices safely and effectively for the patient in diagnosis, treatment, follow-up and rehabilitation processes.
8.	Provides health services by considering patient and employee health and safety.
9.	In healthcare delivery, it considers both the regional and global physical and socioeconomic environment changes affecting health, as well as changes in the individual characteristics and behaviors of those applying to it.

### 2. BASIC COMPETENCE AREA / Professional Values and Approach

#### COMPETENCE 2. Adopting Professional Ethics and Professional Principles

10.	When conducting the profession, he/she considers good medical practices.
11.	Fulfills his/her duties and obligations within the framework of ethical principles and rights and legal responsibilities required by the profession.
12.	Considering the integrity of the patient, he/she shows decisive behaviors in providing high quality health care.
13.	Evaluates the performance, emotions and cognitive characteristics of his professional practices by considering them.

#### COMPETENCE 3. Health Advocate

14.	Advocates to improve health service delivery by considering the concepts of social reliability and social responsibility for the protection and development of public health.
15.	Can plan and implement individual and community health service delivery, training and consultancy processes in cooperation with all components for health protection and development.
16.	Evaluates the impact of health policies and practices on individual and community health indicators and advocates improving the quality of health services.
17.	The physician attaches importance to protecting and improving his/her physical, mental and social health and does whatever is necessary for this.

#### COMPETENCE 4. Leader-Manager

18.	Demonstrates exemplary behavior and leads within the healthcare team during service delivery.
19.	In the health institution he/she manages and uses resources in the planning, implementation and evaluation processes of health services cost-effectively, in accordance with the benefit of the society and the legislation.

#### COMPETENCE 5. Team Member

20.	Communicates positively within the healthcare team with which it provides services and assumes different team roles when necessary.
21.	It is aware of the duties and obligations of the healthcare professionals in the healthcare team and acts accordingly.
22.	Works in harmony and effectively with colleagues and other professional groups in their professional practices.

<b>COMPETENCE 6. Communicator</b>	
23.	Communicates effectively with patients, relatives, healthcare professionals and other professional groups, institutions and organizations.
24.	Communicates effectively with individuals and groups that require special approach and have different sociocultural characteristics.
25.	In the diagnosis, treatment, follow-up and rehabilitation processes, it shows a patient-centered approach that shares the patient with decision-making mechanisms.

### **3. BASIC COMPETENCE AREA / Professional and Individual Development**

<b>COMPETENCE 7. Demonstrating Scientific and Analytical Approach</b>	
26.	Plans and implements scientific research, where necessary, for the population he/she serves and uses the results obtained and / or other research results for the benefit of society.
27.	Reaches the current literature information about his profession and evaluates critically
28.	Applies the principles of evidence-based medicine in the clinical decision making process.
29.	Uses information technologies to increase the effectiveness of their studies on healthcare, research and education.
<b>COMPETENCE 8. Lifelong Learning</b>	
30.	Effectively manages individual work processes and career development.
31.	Demonstrates the skills to acquire, evaluate, integrate with existing information, apply to professional situations and adapt to changing conditions throughout his professional life.
32.	Selects the right learning resources and organizes his/her own learning process to improve the quality of the health service he/she offers.



## 2021 – 2022 EDUCATION YEAR 4TH GRADE ACADEMIC CALENDER

	06.09.2021 - 29.10.2021				01.11.2021 - 24.12.2021				27.12.2021 - 21.01.2022		22.01.2022 – 06.02.2022 SEMESTER HOLIDAY										07.02.2022 - 04.03.2022		07.03.2022 - 29.04.2022				09.05.2022 - 01.07.2022			
Pediatrics	4İ1/A-B, 4İ2/A-B				4T1/A-B, 4T2/A-B				4T3/A-B												4T4/A-B		4T5/A-B, 4T6/A-B				4T7/A-B, 4T8/A-B			
General Surgery	4T7/A-B, 4T8/A-B				4İ1/A-B, 4İ2/A-B				4T1A-B												4T2/A-B		4T3/A-B, 4T4/A-B				4T5/A-B, 4T6/A-B			
Internal Medicine	4T5/A-B, 4T6/A-B				4T7/A-B, 4T8/A-B				4İ1/A-B												4İ2/A-B		4T1/A-B, 4T2/A-B				4T3/A-B, 4T4/A-B			
Gynecology and Obstetrics	4T3/A-B, 4T4/A-B				4T5/A-B, 4T6/A-B				4T7/A-B												4T8/A-B		4İ1/A-B, 4İ2/A-B				4T1/A-B, 4T2/A-B			
	06.09.2021 17.09.2021	20.09.2021 01.10.2021	04.10.2021 15.10.2021	18.10.2021 29.10.2021	01.11.2021 12.11.2021	15.11.2021 26.11.2021	29.11.2021 10.12.2021	13.12.2021 24.12.2021	27.12.2021 07.01.2022	10.01.2022 21.01.2022	07.02.2022 18.02.2022	21.02.2022 04.03.2022	07.03.2022 18.03.2022	21.03.2022 01.04.2022	04.04.2022 15.04.2022	18.04.2022 29.04.2022	09.05.2022 20.05.2022	23.05.2022 03.06.2022	06.06.2022 17.06.2022	20.06.2022 01.07.2022										
Physical Medicine and Rehabilitation	4T1A	4T2B	4T2A	4T1B	4T3A	4T4B	4T4A	4T3B	4T5A	4T6B	4T6A	4T5B	4T7A	4T8B	4T8A	4T7B	4İ1A	4İ2B	4İ2A	4İ1B										
Pediatric Sur.	4T1B	4T1A	4T2B	4T2A	4T3B	4T3A	4T4B	4T4A	4T5B	4T5A	4T6B	4T6A	4T7B	4T7A	4T8B	4T8A	4İ1B	4İ1A	4İ2B	4İ2A										
Radiology	4T2A	4T1B	4T1A	4T2B	4T4A	4T3B	4T3A	4T4B	4T6A	4T5B	4T5A	4T6B	4T8A	4T7B	4T7A	4T8B	4İ2A	4İ1B	4İ1A	4İ2B										
Elective	4T2B	4T2A	4T1B	4T1A	4T4B	4T4A	4T3B	4T3A	4T6B	4T6A	4T5B	4T5A	4T8B	4T8A	4T7B	4T7A	4İ2B	4İ2A	4İ1B	4İ1A										

**Compulsory Clerkships (38 weeks):** Pediatrics (8 weeks), General Surgery (8 weeks), Internal Medicine (8 weeks), Gynecology and Obstetrics (8 weeks), Physical Medicine and Rehabilitation (2 weeks), Pediatric Surgery (2 weeks), Radiology (2 weeks).

**Elective Clerkships (2 weeks):** Family Medicine (2 weeks), Medical Pharmacology (2 weeks)



2021 – 2022 EDUCATION YEAR 5TH GRADE ACADEMIC CALENDAR																										
	30.08.2021 - 17.09.2021		20.09.2021 - 08.10.2021		11.10.2021 - 29.10.2021		01.11.2021 - 19.11.2021		22.11.2021 - 10.12.2021		13.12.2021 - 31.12.2021		03.01.2022 - 21.01.2022		22.01.2022 – 06.02.2022 SEMESTER HOLIDAY	07.02.2022 - 25.02.2022		28.02.2022 - 18.03.2022		21.03.2022 - 08.04.2022		11.04.2022 - 29.04.2022		09.05.2022 - 27.05.2022		
Chest Diseases	5İ1/A-B-C		5İ1/D-E-F		5İ2/A-B-C		5İ2/D-E-F		5T1/A-B-C		5T1/D-E-F		5T2/A-B-C			5T2/D-E-F		5T3/A-B-C		5T3/D-E-F		5T4/A-B-C		5T4/D-E-F		
Cardiology	5İ1/D-E-F		5İ1/A-B-C		5İ2/D-E-F		5İ2/A-B-C		5T1/D-E-F		5T1/A-B-C		5T2/D-E-F			5T2/A-B-C		5T3/D-E-F		5T3/A-B-C		5T4/D-E-F		5T4/A-B-C		
Cardiac-Tho. Sur.	5T4/A-B-C		5T4/D-E-F		5İ1/A-B-C		5İ1/D-E-F		5İ2/A-B-C		5İ2/D-E-F		5T1/A-B-C			5T1/D-E-F		5T2/A-B-C		5T2/D-E-F		5T3/A-B-C		5T3/D-E-F		
Skin and Ven. Dis.	5T4/D-E-F		5T4/A-B-C		5İ1/D-E-F		5İ1/A-B-C		5İ2/D-E-F		5İ2/A-B-C		5T1/D-E-F			5T1/A-B-C		5T2/D-E-F		5T2/A-B-C		5T3/D-E-F		5T3/A-B-C		
E.N.T.	5T3/A-B-C		5T3/D-E-F		5T4/A-B-C		5T4/D-E-F		5İ1/A-B-C		5İ1/D-E-F		5İ2/A-B-C			5İ2/D-E-F		5T1/A-B-C		5T1/D-E-F		5T2/A-B-C		5T2/D-E-F		
Infectious Dis.	5T3/D-E-F		5T3/A-B-C		5T4/D-E-F		5T4/A-B-C		5İ1/D-E-F		5İ1/A-B-C		5İ2/D-E-F			5İ2/A-B-C		5T1/D-E-F		5T1/A-B-C		5T2/D-E-F		5T2/A-B-C		
Ort. and Tra.	5T2/A-B-C		5T2/D-E-F		5T3/A-B-C		5T3/D-E-F		5T4/A-B-C		5T4/D-E-F		5İ1/A-B-C			5İ1/D-E-F		5İ2/A-B-C		5İ2/D-E-F		5T1/A-B-C		5T1/D-E-F		
Urology	5T2/D-E-F		5T2/A-B-C		5T3/D-E-F		5T3/A-B-C		5T4/D-E-F		5T4/A-B-C		5İ1/D-E-F			5İ1/A-B-C		5İ2/D-E-F		5İ2/A-B-C		5T1/D-E-F		5T1/A-B-C		
Psychiatry	5T1/A-B-C		5T1/D-E-F		5T2/A-B-C		5T2/D-E-F		5T3/A-B-C		5T3/D-E-F		5T4/A-B-C			5T4/D-E-F		5İ1/A-B-C		5İ1/D-E-F		5İ2/A-B-C		5İ2/D-E-F		
Neurology	5T1/D-E-F		5T1/A-B-C		5T2/D-E-F		5T2/A-B-C		5T3/D-E-F		5T3/A-B-C		5T4/D-E-F		5T4/A-B-C		5İ1/D-E-F		5İ1/A-B-C		5İ2/D-E-F		5İ2/A-B-C			
	30.08.2021 - 10.09.2021	13.09.2021 - 24.09.2021	27.09.2021 - 08.10.2021	11.10.2021 - 22.10.2021	25.10.2021 - 05.11.2021	08.11.2021 - 19.11.2021	22.11.2021 - 03.12.2021	06.12.2021 - 17.12.2021	20.12.2021 - 31.12.2021	03.01.2022 - 14.01.2022	17.01.2022 - 21.01.2022	22.01.2022-06.02.2022 SEMESTER HOLIDAY					07-11.02.2022	14.02.2022 - 25.02.2022	28.02.2022 - 11.03.2022	14.03.2022 - 25.03.2022	28.03.2022 - 08.04.2022	11.04.2022 - 22.04.2022	25.04.2022 - 14.05.2022	16.05.2022 - 27.05.2022		
Neurosurgery	5İ2/A-B	5İ2/E-F	5İ2/C-D	5T1/A-B	5T1/E-F	5T1/C-D	5T2/A-B	5T2/E-F	5T2/C-D	5T3/A-B	5T3/E-F	22.01.2022-06.02.2022 SEMESTER HOLIDAY					5T3/CD	5T4/A-B	5T4/E-F	5T4/C-D	5İ1/A-B	5İ1/E-F	5İ1/CD			
Ophthalmology	5İ2/C-D	5İ2/A-B	5İ2/E-F	5T1/C-D	5T1/A-B	5T1/E-F	5T2/C-D	5T2/A-B	5T2/E-F	5T3/C-D	5T3/AB	22.01.2022-06.02.2022 SEMESTER HOLIDAY					5T3/EF	5T4/C-D	5T4/A-B	5T4/E-F	5İ1/C-D	5İ1/A-B	5İ1/E-F			
Elective	5İ2/E-F	5İ2/C-D	5İ2/A-B	5T1/E-F	5T1/C-D	5T1/A-B	5T2/E-F	5T2/C-D	5T2/A-B	5T3/E-F	5T3/D	22.01.2022-06.02.2022 SEMESTER HOLIDAY					5T3/AB	5T4/E-F	5T4/C-D	5T4/A-B	5İ1/E-F	5İ1/CD	5İ1/A-B			
Compulsory Clerkships (34 weeks): Skin and Venereal Diseases (3 weeks), Infectious Diseases (3 weeks), Chest Diseases (3 weeks), Cardiology (3 weeks), Ear, Nose and Throat Diseases (3 weeks), Neurology (3 weeks), Orthopedics and Traumatology (3 weeks), Psychiatry (3 weeks), Urology (3 weeks), Cardiovascular and Thoracic Surgery (3 weeks), Neurosurgery (2 weeks), Ophthalmology (2 weeks).																										
Elective Clerkships (2 weeks): Child and Adolescent Psychiatry (2 weeks), Plastic, Reconstructive and Aesthetic Surgery (2 weeks)																										

**Elective Clerkships (2 weeks): Child and Adolescent Psychiatry (2 weeks), Plastic, Reconstructive and Aesthetic Surgery (2 weeks)**

## SESSION IV PEDIATRICS CLERKSHIP GUIDE

<b>Code</b>	TPT-401
<b>Period</b>	8 weeks

<b>Type</b>	Compulsory
<b>ECTS</b>	12

### PEDIATRICS CLERKSHIP- Prerequisite Courses

<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committee (s) in session 3

### REFERENCES (RESOURCE BOOK - OTHERS)

<b>1.</b>	Nelson Textbook of pediatrics
<b>2.</b>	Yurdakök Pediatri
<b>3.</b>	Olçay Neyzi Pediatri

### PEDIATRICS CLERKSHIP- RULES FOR STUDENTS

<b>1</b>	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
<b>3</b>	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
<b>4</b>	Students are obliged to keep the “ <b>Ataturk University Faculty of Medicine Trainee Report</b> ” which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
<b>5</b>	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
<b>6</b>	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”.
<b>7</b>	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “ <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ”. The participation link to the survey will be sent to the students by the dean's management.

### 1. PEDIATRICS CLERKSHIP- OBJECTIVE OF THE PROGRAM

#### OBJECTIVE OF THE PEDIATRICS CLERKSHIP PROGRAM

<b>1.</b>	To be able to make a preliminary diagnosis / diagnosis by evaluating the anatomy, physiological characteristics of children, the signs and symptoms of the diseases mentioned.
<b>2.</b>	To be able to request the necessary laboratory tests and imaging tests in line with the preliminary diagnosis she has made to pediatric patients.
<b>3.</b>	To be able to evaluate the laboratory tests and imaging tests required in line with the preliminary diagnosis it has made to pediatric patients.
<b>4.</b>	To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria
<b>5.</b>	To be able to perform emergency treatment by defining emergency situations in a child patient and to provide referral when necessary after emergency intervention and treatment.
<b>6.</b>	To gain the knowledge, skills and professionalism characteristics determined for the internship

## 2. PEDIATRICS CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levels	5	4	4	2	5	3	4	5	5	3	4	5								

**Contribution levels:** -:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high

## 3. LEARNING OBJECTIVES OF THE PEDIATRICS CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the pediatrics clerkship period

PEDIATRICS CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS					
1.	Asphyxia	35	Enuresis	69	Suspicious genitalia
2.	Dry mouth	36	Color change in urine	70	Lymphadenopathy
3.	Wound in the mouth	37	Boating abdominals	71	Melena-hematemesis
4.	Low back and back pain	38	Chest pain	72	Micro-macrocephaly
5.	amenorrhea	39	Chest wall anomalies	73	Edema
6.	Anemia	40	Vision impairment / loss	74	Cough
7.	Anorectal pain	41	weakness	75	Paresthesia
8.	Anuria-oliguria	42	Hematoesia / rectal bleeding	76	Paresis, paralysis
9.	Apnea	43	Hematuria	77	Pelvic pain
10.	Fire	44	Hemoptysis	78	Petechia, purpura, ecchymosis
11.	Dizziness	45	Hepatomegaly	79	Polydipsia
12.	Headache	46	Wheezing (wheezing)	80	Polyuria
13.	Consciousness changes	47	Hypertension	81	Pollacuria / Nocturia
14.	Pain throat	48	Hypotension	82	Beginning puberty (early - late)
15.	Mass in neck	49	Hypothermia / Hyperthermia	83	Pupil changes
16.	Nausea and vomiting	50	Hirsutism	84	Jaundice
17.	Runny nose / congestion	51	Urinary retention	85	Syncope
18.	Nose bleeding	52	Chronic pain	86	Hoarseness
19.	Growth - developmental retardation	53	Seizures	87	Cyanosis
20.	Palpitations	54	Gynecomastia	88	splenomegaly
21.	Double vision	55	Constipation	89	Stridor
22.	Clubbing	56	murmur in the heart	90	Tetan
23.	Balance / movement problems	57	Tendency to bleed	91	Tremors
24.	Skin rashes / lesions (maculopapular, bullous, vesicular)	58	Abdominal pain	92	Foreign body ingestion/ aspiration / ear / nose)
25.	Skin and nail changes (dryness, discoloration, etc.)	59	Mass in the abdomen	93	Side pain
26.	Encopresis	60	muscle weakness	94	Swallowing Difficulty
27.	Dyspepsia	61	Eye/skeletal pain (waist, neck, back, hip and limb pain)		
28.	Dyspnea	62	Mass in the groin / scrotum		
29.	Diarrhea	63	Red eye (Eye rash)		
30.	Dysuria	64	overweight / excess		
31.	Joint pain / swelling	65	Weight loss		
32.	Movement restriction in joints	66	colic pain (kidney, biliary, intestine)		
33.	Suction difficulties	67	Learning disability		
34.	Movement disorders	68	Ear pain / discharge		

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the “**Diseases / Clinical Problems**” listed below during the Pediatrics clerkship period.

PEDIATRICS CLERKSHIP- <i>CLINICAL PROBLEM LEARNING LEVELS</i>	
LEARNING LEVELS	CLINICAL PROBLEM
<p>In the clinical problems mentioned in the column next to;</p> <p><b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b></p>	<p>1-Adrenocortical insufficiency</p> <p>2-Lung Edema</p> <p>3-Acute pancreatitis</p> <p>4-Acute kidney damage</p> <p>5-Acute glomerulonephritis</p> <p>6-Acute pancreatitis</p> <p>Allergic reaction</p> <p>8-Anaphylaxis</p> <p>9-Acid - base is for balance</p> <p>10-Asthma</p> <p>11-Food poisoning</p> <p>12-Pertussis</p> <p>13. bronchiolitis</p> <p>14. Dehydration</p> <p>15-Iron deficiency anemia</p> <p>16-Diabetes mellitus and its complications</p> <p>17-Asphyxia at birth</p> <p>18-Fetal distress at birth</p> <p>19-Enteric Fever</p> <p>20-Epilepsy</p> <p>21-Essential hypertension</p> <p>22-Facial paralysis</p> <p>23-Febrile convulsion</p> <p>24 gastroenteritis</p> <p>25-Gastrointestinal congenital anomalies</p> <p>26-Hepatic coma</p> <p>27. hypoglycaemia</p> <p>28-Intracranial hemorrhages</p> <p>29-Vitamin K deficiency</p> <p>30-For heart rhythm</p> <p>31-Heart failure</p> <p>32-Cardio mon pulmonary arrest</p> <p>33-Crimea - Congo hemorrhagic fever</p> <p>34-Koma</p> <p>35-Chronic kidney disease</p> <p>36-Laryngeal obstruction</p> <p>37-Meningococcal diseases</p> <p>38-Central nervous system infections</p>

	39-migraine 40-Oncological emergencies 41-pneumothorax 42-sepsis 43-For liquid and electrolyte balance 44-Respiratory failure 45-Shock 46-Tetanus 47-Urticaria and angioedema 48-Upper gastrointestinal bleeding 49-Common intravascular coagulation 50-Gastrointestinal system malformations in newborns 51-Convulsion in newborn 52-Necrotizing enterocolitis in newborn 53-Sepsis and meningitis in newborn 54-Respiratory difficulty in newborn 55-Hemorrhagic diseases of newborn 56-Poisoning
<p>In the clinical problems mentioned in the column next to;</p> <p><b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert</b></p>	1-Adrenocortical insufficiency 57-Aplastic anemia 58-Ataxic disorders 59-Familial Mediterranean fever 60-Cushing's disease 61-Childhood solid tumors 62-Diabetes insipitus 63-Diaphragmatic hernias 64-diphtheria 65-Birth Trauma 66-Congenital metabolic diseases 67-endocarditis 20-Epilepsy 68-Gastrointestinal tract motility is required 69-Guillain - Barré syndrome 70-hemoglobinopathies 71-Hemolytic anemia 72-Hemolytic uremic syndrome / Thrombotic Thrombocytopenic Purpura 73-hydrocephalus 74-Pituitary 75-Hypoparathyroidism

	76-Hypotonic baby 77-Inflammatory bowel disease 78-Intrauterine growth retardation 79-Intrauterine infections 80-Irritable bowel disease 81-Blood conflicts 82- Bleeding profile (hemophilia, thrombocytopenia, etc.) 83-Eyebrow diseases (myopathies) 84-Bone tumors 85-Cystic fibrosis 86-Cholecystitis, Cholelithiasis 87-Congenital adrenal hyperplasia 88-Congenital heart diseases 89-Chromosome diseases (frequent display) 90-Chronic glomerulonephritis 91-Chronic hepatitis 92-Lymphoproliferative diseases 93-Leukemia 94-Malabsorption 95-Myocarditis / cardiomyopathy 96- Pericardial diseases 97-Pleural diseases 98-Portal hypertension 99-Pulmonary hypertension 100-Secondary hypertension 101-Cerebral palsy 102-Systemic Lupus Erythematosus 103-Sjögren's Syndrome 104 scleroderma 105-Vasculitis 106-Metabolic disorders in newborn
In the clinical problems mentioned in the column next to;  <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b>	4-Acute kidney damage 5-Acute glomerulonephritis 107-Acute hepatitis 108- Acute rheumatic fever 109-Arthritis 110 Acid 13. bronchiolitis 111-Congenital structural anomalies 22-Facial paralysis



	112-Henoch-Schönlein purpura 30-For heart rhythm 31-Heart failure 113-Participation vigil 33-Crimea - Congo hemorrhagic fever 35-Chronic kidney disease 39-migraine 114-Nephrotic syndrome 115-Diabetic mother baby 116-prematurity 43-For liquid and electrolyte balance 46-Tetanus 48-Upper gastrointestinal bleeding 117-Newborn jaundice
<p>In the clinical problems mentioned in the column next to;</p> <p><b>Be able to Diagnose and Treat (DT)</b></p>	118-Lung tuberculosis Allergic reaction 10-Asthma 12-Pertussis 119-Brucellosis 120-Functional constipation in the child 121-Vitamin D deficiency 14. Dehydration 15-Iron deficiency anemia 16-Diabetes mellitus and its complications 122-Rash rash infectious diseases 21-Essential hypertension 23-Febrile convulsion 24 gastroenteritis 123-Gastrointestinal system parasitoses 124-Hypothyroidism 125 Mumps 126-Congenital hypothyroidism 127-Malnutrition 128-Megaloblastic anemia 129-moniliasis Water Foam Sprinklers-130 131-otitis media 132-Pneumonia 133-Urinary system infections 47-Urticaria and angioedema 134-Upper respiratory tract infections

	135- Conjunctivitis in newborn
<p>In the clinical problems mentioned in the column next to;</p> <p><b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b></p>	<p>59-Familial Mediterranean fever</p> <p>118-Lung tuberculosis</p> <p>10-Asthma</p> <p>120-Functional constipation in the child</p> <p>121-Vitamin D deficiency</p> <p>15-Iron deficiency anemia</p> <p>16-Diabetes mellitus and its complications</p> <p>66-Congenital metabolic diseases</p> <p>20-Epilepsy</p> <p>21-Essential hypertension</p> <p>124-Hypothyroidism</p> <p>80-Irritable bowel disease</p> <p>30-For heart rhythm</p> <p>31-Heart failure</p> <p>82- Bleeding profile (hemophilia, thrombocytopenia, etc.)</p> <p>126-Congenital hypothyroidism</p> <p>35-Chronic kidney disease</p> <p>127-Malnutrition</p> <p>128-Megaloblastic anemia</p> <p>39-migraine</p>
<p>In the clinical problems mentioned in the column next to;</p> <p><b>be able to follow up (F) in necessary cases</b></p>	<p>118-Lung tuberculosis</p> <p>4-Acute kidney damage</p> <p>107-Acute hepatitis</p> <p>108- Acute rheumatic fever</p> <p>8-Anaphylaxis</p> <p>10-Asthma</p> <p>11-Food poisoning</p> <p>12-Pertussis</p> <p>119-Brucellosis</p> <p>120-Functional constipation in the child</p> <p>121-Vitamin D deficiency</p> <p>14. Dehydration</p> <p>15-Iron deficiency anemia</p> <p>16-Diabetes mellitus and its complications</p> <p>64-diphtheria</p> <p>115-Diabetic mother baby</p> <p>65-Birth Trauma</p>

	17-Asphyxia at birth 18-Fetal distress at birth 66-Congenital metabolic diseases 111-Congenital structural anomalies 122-Rash rash infectious diseases 67-endocarditis 19-Enteric Fever 20-Epilepsy 21-Essential hypertension 23-Febrile convulsion 24 gastroenteritis 123-Gastrointestinal system parasitoses 70-hemoglobinopathies 78-Intrauterine growth retardation 79-Intrauterine infections 80-Irritable bowel disease Vitamin K deficiency 125 Mumps 31-Heart failure 81-Blood conflicts 82- Bleeding profile (hemophilia, thrombocytopenia, etc.) 33-Crimea - Congo hemorrhagic fever 85-Cystic fibrosis 126-Congenital hypothyroidism 89-Chromosome diseases (frequent display) 35-Chronic kidney disease 91-Chronic hepatitis 127-Malnutrition 128-Megaloblastic anemia 37-Meningococcal diseases 39-migraine 129-moniliasis Water Foam Sprinklers-130 131-otitis media 132-Pneumonia 116-prematurity 43-For liquid and electrolyte balance 46-Tetanus 133-Urinary system infections 47-Urticaria and angioedema 134-Upper respiratory tract infections
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	117-Newborn jaundice 135- Conjunctivitis in Newborn 51-Convulsion in newborn 106-Metabolic disorders in newborn 56-Poisoning

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Pediatrics period.

PEDIATRICS CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	BASIC MEDICINE APPLICATIONS
Skills specified in the adjacent column;  <b>Knows</b> how to practice and <b>explains</b> the results to patients and / or relatives  <b>(LEARNING LEVEL 1)</b>	1. Ability to perform lumbar puncture
Skills specified in the adjacent column;  <b>In an emergency</b> , performs the application in accordance <b>with the guide / instruction</b> <b>(LEARNING LEVEL 2)</b>	2. Newborn vitalization 3. To be able to measure and evaluate bleeding time
Skills specified in the adjacent column;  performs pre-assessment / evaluation in <b>uncomplicated</b> , frequent, cases creates necessary plans and informs patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 3)</b>	4. Head - neck and ENT examination 5. To be able to follow the growth and development in children (percentile curves, Tanner rating) 6. Neurological examination 7. Capturing and evaluating ECG 8. To be able to make and evaluate peripheral smear 9. To interpret the results of screening and diagnostic purposes 10. Measurement and evaluation of transcutaneous bilirubin 11. "Airway" application 12. To be able to take care of the baby after birth 13. Intubation 14. Ability to remove the foreign body in the airway with the appropriate maneuver 15. Ability to insert urinary catheter 16. Being able to take samples for culture 17. Enema making 18. Being able to wash the stomach 19. Minimental status examination 20. To be able to apply nasogastric catheter 21. To be able to apply PPD test 22. To be able to take measures to prevent healthcare related infections
	23. General and Problem Based History 24. Being able to evaluate your mental state 25. Anthropometric Measurements 26. Abdominal Examination 27. Child and Newborn Examination 28. Skin Inspection

<p>Skills specified in the adjacent column;</p> <p>Pre-evaluate the application including <b>complex</b> situations / cases, creates the necessary plans and informs the patients and their relatives <b>and does the application</b></p> <p><b>(LEARNING LEVEL 4)</b></p>	<p>29. General Status and Evaluation of Vital Signs</p> <p>30. Cardiovascular System Examination</p> <p>31. Respiratory System Examination</p> <p>32. Preparing the Patient File</p> <p>33. Providing Decontamination, Disinfection, Sterilization, Antisepsis</p> <p>34. Measuring and Evaluating Blood Sugar by Measuring Sugar</p> <p>35. Rational Drug Use</p> <p>36. Hand Wash</p> <p>37. Evaluation of Glasgow Coma Scale</p> <p>38. Giving the Patient a Coma Position</p> <p>39. Measuring Blood Pressure</p> <p>40. Capillary Blood Sample Ability</p> <p>41. Oxygen and Nebul - Inhaler Treatment Can Be Applied</p> <p>42. Applying Cervical Collar (Neck Collar)</p> <p>43. Ability to Provide Proper Protection and Transport for Cold Chain</p> <p>44. Providing Basic Life Support</p> <p>45. Heel Blood Collection</p> <p>46. Execution of Vaccination Services</p> <p>47. Teaching the Right Breastfeeding Methods</p> <p>48. Consciousness Evaluation</p> <p>49. Ability to Apply Defibrillation</p> <p>50. To be able to apply and evaluate Pulse Oximeter</p> <p>51. Complete urine analysis (including microscopic examination) and evaluate</p> <p>52. Newborn metabolic and endocrine disease screening program</p>
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**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the “Behavioral, Social and Humanities” listed below during the Pediatrics clerkship period

PEDIATRICS CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	<p>25. Health situations</p> <p>a. Nutrition</p> <p>h. Maternal and child health</p> <p>l. immunization</p>

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Pediatrics clerkship

ATTITUDES THAT SHOULD BE GAINED FOR <i>PROFESSIONALITY</i> DURING THE PEDIATRICS CLERKSHIP
<p>1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.</p> <p>2. Rights-based health approach</p> <p>3. Communication skills, communication in difficult situations, interpersonal relations and teamwork</p>

4. Patient rights, physician responsibility, patient-physician relationship.
5. Reflective thinking and practice, continuous individual and professional development, education and consultancy.
6. Work culture in coordination with other members of the team and disciplines
7. Being able to share their knowledge and professional experience with other members of the team,

#### 4. PEDIATRICS CLERKSHIP - WEEKLY COURSE PROGRAM

PEDIATRICS CLERKSHIP PROGRAM SESSION IV - WEEKLY COURSE PROGRAM			
Days	Subject of The Lesson	Lesson Time	Teaching Staff
Monday	1. WEEK		
	Information about internship and ethical and professional values in clinical practice	08.30-09.30	Zerrin ORBAK, MD,Proff.
	Medical history and vital findings	09.30-10.15	Cahit KARAKELLEOĞLU,MD,Proff.
	Head and neck diseases	10.30-12.00	Mustafa KARA MD, Assoc.Proff
	Well-child visits	13.30-14.15	Handan ALP,MD,Proff.
	Respiratory System Assessment	14.30-15.15	H.DÖNERAY,MD,Proff.
	Practical course of basic medical practice-1 <ul style="list-style-type: none"> <li>Respiratory system examination</li> <li>Monitor growth and development in children (percentile, Tanner)</li> <li>Making a PPD test</li> </ul>	15.30-16.15	H.DÖNERAY,MD,Proff.
Tuesday	Independent working hours	16.15-17.00	
	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Case-Based Learning (CBL) Session 1	10.30-12.00	Teaching Staff
	Pneumonia	13.30-14.15	Handan ALP,MD,Proff.
	Skin and lymph node Assessment	14.30-15.15	Mustafa KARA MD, Assoc.Proff
	Practical course of basic medical practice -2 <ul style="list-style-type: none"> <li>Gastrointestinal system examination</li> <li>Enema application</li> <li>Wash the stomach</li> <li>Nazogastric catheter application</li> </ul>	15.30-16.15	Fuat Laloğlu,MD,Assist.Proff
Wednesday	independent working hours	16.15-17.00	
	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Upper Respiratory Tract Infections	10.30-12.00	Naci CEVİZ,MD,Proff.
	Free Work / Elective Course	13.30-17.00	
Thursday	independent working hours	16.15-17.00	
	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Obstructive Airway Diseases, Croup syndromes	10.30-12.00	Handan ALP,MD,Proff.
	Neurologic system Assessment	13.30-15.15	Hüseyin TAN,MD,Proff.
Friday	Practical course of basic medical practice -4 <ul style="list-style-type: none"> <li>Neurologic system examination</li> <li>Consciousness and mental state assessment</li> <li>GKS Assesment</li> </ul>	15.30-16.15	Hüseyin TAN,MD,Proff.
	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Rash-causing diseases	10.30-12.00	Cahit KARAKELLEOĞLU,MD,Proff.



	Arrhythmias	13.30-14.15	Naci CEVİZ,MD,Proff.
	Gastrointestinal System Assessment	14.30-15.15	Cahit KARAKELLEOĞLU,MD,Proff.
	Practical course of basic medical practice -5 <ul style="list-style-type: none"> <li>Head and neck- Skin and lymph node examination</li> <li>Measurement of transcutaneous bilirubin</li> <li>Heel Blood</li> <li>breastfeeding technique</li> <li>Newborn metabolic and endocrine disease screening program</li> </ul>	15.30-16.15	Mustafa KARA MD, Assoc.Proff
	Independent working hours	16.15-17.00	
	<b>2. WEEK</b>		
<b>Monday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Rickets	10.30-12.00	Zerrin ORBAK, MD,Proff.
	Newborn	13.30-14.15	K.Ş. TEKGÜNDÜZ,MD, Assoc.Proff.
	Cardiovascular System Assessment	14.30-15.15	Naci CEVİZ,MD,Proff.
	Practical course of basic medical practice -6 <ul style="list-style-type: none"> <li>Cardiovascular System Examination</li> <li>ECG shooting and evaluation</li> <li>Defibrillation application</li> </ul>	15.30-16.15	Naci CEVİZ,MD,Proff.
<b>Tuesday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Case-Based Learning (CBL) Session 2	10.30-12.00	Teaching Staff
	NRP(Newborn resuscitation)	13.30-15.15	K.Ş. TEKGÜNDÜZ,MD, Assoc.Proff.
	Practical course of basic medical practice -7 <ul style="list-style-type: none"> <li>Examination of newborn</li> <li>Postnatal baby care</li> <li>Application and evaluation of pulse oximetry</li> <li>Newborn resuscitation</li> </ul>	15.30-16.15	K.Ş. TEKGÜNDÜZ,MD, Assoc.Proff.
<b>Wednesday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Acute Glomerulonephritis	10.30-12.00	Celalettin KOŞAN,MD, MD,Proff.
	Free Work / Elective Course	13.30-17.00	
<b>Thursday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Diabetes Mellitus	10.30-12.00	Zerrin ORBAK, MD,Proff.
	DIC+ Oncologic Emergencies	13.30-14.15	Zerrin ORBAK, MD,Proff.
	Practical course of basic medical practice -9 <ul style="list-style-type: none"> <li>Measurement and evaluation of bleeding time</li> <li>Capillary blood samples</li> <li>Peripheral smear evaluation</li> </ul>	14.30-15.15	Zerrin ORBAK, MD,Proff.
	A.Bronchiolitis and wheezy child	15.30-16.15	Handan ALP,MD,Proff.
	Independent working hours	16.15-17.00	
<b>Friday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Salmonellosis –Shigellosis-Brucellosis	10.30-12.00	Cahit KARAKELLEOĞLU,MD,Proff.
	Urinary infections	13.30-15.15	Celalettin KOŞAN,MD, MD,Proff.
	Practical course of basic medical practice-10 <ul style="list-style-type: none"> <li>Urinary catheterization</li> <li>Blood pressure measurement</li> </ul>	15.30-16.15	M.Akif Güler. MD,Assist.Proff
<b>Monday</b>	<b>3. WEEK</b>		
	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.00	Teaching Staff
	Tuberculosis	10.30-12.00	H.DÖNERAY,MD, Proff.
	Short Stature	13.30-15.15	Zerrin ORBAK, MD,Proff.

	Practical course of basic medical practice - <b>11</b> <ul style="list-style-type: none"> <li>• Anthropometric measurements</li> <li>• blood glucose measurement and evaluation</li> <li>• Evaluating screening results</li> </ul>	15.30-16.15	Zerrin ORBAK, MD,Proff.
<b>Tuesday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Case-Based Learning (CBL) Session 3	10.30-12.00	Teaching Staff
	otitis - mumps	13.30-14.15	M.Akif Güler. MD,Assist.Proff
	Practical course of basic medical practice - <b>12</b> <ul style="list-style-type: none"> <li>• Decontamination, disinfection, sterilization, antisepsis</li> <li>• take measures to prevent infections</li> <li>• Sampling for culture</li> <li>• Hand washing</li> <li>• Being able to evaluate complete urine analysis (including microscopic examination)</li> </ul>	14.30-15.15	M.Akif Güler. MD,Assist.Proff
	Independent working hours	16.15-17.00	
<b>Wednesday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Breastfeeding and nutrition	10.30-12.00	Zerrin ORBAK, MD,Proff.
	Free Work / Elective Course	13.30-17.00	
<b>Thursday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Sepsis- shock	10.30-12.00	Halil Keskin,MD,Assist.Proff
	Epilepsia	13.30-15.15	Hüseyin TAN,MD,Proff.
	Kawasaki disease	15.30-16.15	Naci CEVİZ,MD,Proff.
<b>Friday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Acute Kidney Failure	10.30-12.00	M.Akif Güler. MD,Assist.Proff
	Cystic Fibrosis	13.30-14.15	Handan ALP,MD,Proff.
	Crimean Congo Hemorrhagic Fever	14.30-15.15	M.Akif Güler. MD,Assist.Proff
	Independent working hours	15.30-17.00	
<b>Monday</b>	<b>4. WEEK</b>		
	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Convulsions	10.30-12.00	Hüseyin TAN,MD,Proff.
	Pubertal disorders	13.30-15.15	H.DÖNERAY,MD,Proff.
	Practical course of basic medical practice - <b>3</b> <ul style="list-style-type: none"> <li>• Evaluate vital signs</li> <li>• Preparing a patient file</li> <li>• lumbar puncture</li> </ul>	15.30-16.15	Cahit KARAKELLEOĞLU,MD,Proff.
<b>Tuesday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Case-Based Learning (CBL) Session 1	10.30-12.00	Teaching Staff
	Acute rheumatic fever	13.30-15.15	Fuat LALOĞLU MD, Assist. Proff
	Intrauterine infections	15.30-16.15	K.Ş. TEKGÜNDÜZ,MD, Assoc.Proff.
<b>Wednesday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Asthma	10.30-12.00	Handan ALP,MD,Proff.
	Free Work / Elective Course	13.30-17.00	
<b>Thursday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Anemia in children	10.30-12.00	Zerrin ORBAK, MD,Proff.
	Intrauterine growth reterdation, properties of prematur	13.30-15.15	K.Ş. TEKGÜNDÜZ,MD, Assoc.Proff.
	Necrotizan enterocolite	15.30-16.15	K.Ş. TEKGÜNDÜZ,MD, Assoc.Proff.

<b>Friday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Diphtheria-tetanus-Pertusis	10.30-12.00	M.Akif Güler. MD, Assist. Proff
	Neonatal sepsis and meningitis	13.30-15.15	Mustafa KARA MD, Assoc.Proff
	Cerebral palsy	15.30-16.15	Hüseyin TAN,MD,Proff.
<b>5. WEEK</b>			
<b>Monday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Solid tumours	10.30-12.00	Zerrin ORBAK, MD,Proff.
	Infant of diabetic mother	13.30-15.15	H.DÖNERAY,MD,Proff.
	Encephalitis	15.30-16.15	Hüseyin TAN,MD,Proff.
<b>Tuesday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Case-Based Learning (CBL) Session 2	10.30-12.00	Teaching Staff
	Neonatal convulsions	13.30-15.15	K.Ş. TEKGÜNDÜZ,MD, Assoc.Proff.
	Anaphylaxis	15.30-16.15	Halil Keskin,MD,Assist.Proff
<b>Wednesday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Respiratory disorders in the newborn	10.30-12.00	Mustafa KARA MD, Assoc.Proff
	Free Work / Elective Course	13.30-17.00	
<b>Thursday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Hemorrhagic diathesis and hemophilia	10.30-12.00	Zerrin ORBAK, MD,Proff.
	Fluid and electrolyte regulation, acid-base imbalance	13.30-15.15	Zerrin ORBAK, MD,Proff.
	Celiac Disease	15.30-16.15	Zerrin ORBAK, MD,Proff.
<b>Friday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Neonatal hyperbilirubinemias	10.30-12.00	Mustafa KARA MD, Assoc.Proff
	Acute Diarrhea, Dehydration	13.30-15.15	M.Akif Güler. MD,Assist.Proff
	Lymphoma	15.30-16.15	Zerrin ORBAK, MD,Proff.
<b>6. WEEK</b>			
<b>Monday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Newborn Emergency and Metabolic Problems	10.30-12.00	Mustafa KARA MD, Assoc.Proff
	Connective tissue diseases	13.30-15.15	Celalettin KOŞAN,MD, MD,Proff.
	Evaluation of growth and examination for adolescences	15.30-16.15	H.DÖNERAY,MD,Proff.
<b>Tuesday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Case-Based Learning (CBL) Session 3	10.30-12.00	Teaching Staff
	Malnutrition	13.30-15.15	H.DÖNERAY,MD,Proff.
	Intoxication	15.30-17.15	Halil Keskin,MD,Assist.Proff
<b>Wednesday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Perinatal asphyxia	10.30-12.00	K.Ş. TEKGÜNDÜZ,MD, Assoc.Proff.
	Free Work / Elective Course	13.30-17.00	
<b>Thursday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Nephrotic syndromes	10.30-12.00	Celalettin KOŞAN,MD, MD,Proff.
	Heart failure	13.30-15.15	Naci CEVİZ,MD,Proff.
	Practical course of basic medical practice -8 <ul style="list-style-type: none"> <li>• “Airway” Application</li> <li>• Intubation Application</li> <li>• Give the patient a coma position</li> <li>• Removing the foreign body in the airway with the proper maneuver</li> </ul>	15.30-16.15	Halil Keskin,MD,Assist.Proff

	<ul style="list-style-type: none"> <li>Cervical collar application</li> <li>Basic Life Support</li> </ul>		
<b>Friday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Genetic Disorders	10.30-12.00	Cahit KARAKELLEOĞLU,MD,Proff.
	Familial Mediterranean fever(FMF)	13.30-15.15	Handan ALP, MD,Proff.
	Kardiyo Pulmoner Arrest	15.30-16.15	Halil Keskin,MD,Assist.Proff
<b>Monday</b>	<b>7. WEEK</b>		
	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Adrenal Gland disorders	10.30-12.00	Zerrin ORBAK, MD,Proff.
	Hepatitis and Hepatic Coma	13.30-15.15	Cahit KARAKELLEOĞLU,MD,Proff.
	Using antibiotics wisely	15.30-16.15	Halil Keskin,MD,Assist.Proff
<b>Tuesday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Case-Based Learning (CBL) Session 3	10.30-12.00	Teaching Staff
	Newborn Anomalies	13.30-15.15	Mustafa KARA MD, Assoc.Proff.
	Practical course of basic medical practice -13 <ul style="list-style-type: none"> <li>Application of oxygen and nebulous inhaler therapy</li> <li>Cold chain transportation.</li> <li>Immunization Application</li> </ul>	15.30-16.15	Handan ALP,MD,Proff.
<b>Wednesday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Birth trauma	10.30-12.00	K.Ş. TEKGÜNDÜZ,MD, Assoc.Proff.
	Free Work / Elective Course	13.30-17.00	
<b>Thursday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Chronic Kidney Disease	10.30-12.00	M.Akif Güler. MD,Assist.Proff
	Congenital Heart Disease	13.30-15.15	Fuat LALOĞLU MD, Assist. Proff
	Immunization-2	15.30-17.15	Handan ALP,MD,Proff.
<b>Friday</b>	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Vasculitis-Henoch- Shönlein Purpura	10.30-12.00	Handan ALP,MD,Proff.
	Guillain-Barré syndrome and poliomyelitis	13.30-14.15	Hüseyin TAN,MD,Proff.
	Headache- migraine	14.30-15.15	Hüseyin TAN,MD,Proff.
	Coma	13.30-14.15	Hüseyin TAN,MD,Proff.
<b>Monday</b>	<b>8. WEEK</b>		
	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.00	Teaching Staff
	Carditis	10.00-10.45	Fuat LALOĞLU MD, Assist. Proff
	Leukemia	11.00-12.00	Zerrin ORBAK, MD,Proff.
	Premature Infant	13.30-14.15	K.Ş. TEKGÜNDÜZ,MD, Assoc.Proff.
	Menengitis, Meningococemia	14.30-16.15	Cahit KARAKELLEOĞLU,MD,Proff.
<b>Tuesday</b>	Clinical studies in service	08.00-09.00	
	Immunization-1	10.30-12.00	Handan ALP,MD,Proff.
	Parasitosis	13.30-15.15	Cahit KARAKELLEOĞLU, MD, Proff.
	Hypertension	15.30-16.15	Celalettin KOŞAN, MD, Proff.
<b>Wednesday</b>	Clinical studies in service	08.00-09.00	
	Chronic diarrhea, Cow's milk allergy	09.00-10.30	Fuat LALOĞLU MD, Assist. Proff
	Common metabolic diseases	10.30-12.00	Zerrin ORBAK, MD, Proff.
	Clinical studies in service	13.30-17.00	
<b>Thursday</b>	Exam (Physical examination and oral examination)	09.00	
<b>Friday</b>	Test examination	09.00	
	Post-internship feedback meeting	15.30	



## 5. MATCHING PEDIATRICS CLERKSHIP COURSES WITH LEARNING OBJECTIVES

MATCHING PEDIATRICS CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptoms / Conditions	Clinical problem	Basic Medical Practices	Behavioral, Social and Humanities
PED001	Information about internship and ethical and professional values in clinical practice	Zerrin ORBAK, MD, Proff.	1					
PED002	Post-internship feedback meeting	Zerrin ORBAK, MD, Proff.	1					
PED003	Diabetes Mellitus	Zerrin ORBAK, MD, Proff.	2		2, 41, 65 79, 80	9, 16, 27		
PED004	Height Shortenings	Zerrin ORBAK, MD, Proff.	2		19	74, 75, 124		
PED005	Common Metabolic Diseases	Zerrin ORBAK, MD, Proff.	2		16, 36, 45, 53, 60, 67	66		
PED006	Liquid-Electrolyte and Acid-Base Balance	Zerrin ORBAK, MD, Proff.	2		1, 2, 13, 41, 53, 79, 80	1, 9, 16, 43, 63		
PED007	Rickets	Zerrin ORBAK, MD, Proff.	2		34, 39, 53, 61, 90, 91	75, 121		
PED008	Adrenal Diseases	Zerrin ORBAK, MD, Proff.	2		10, 13, 16, 41, 48	1, 43, 60, 87		
PED009	Asthma	Handan ALP, MD, Proff.	2		1, 28, 74, 87	10, 44		
PED010	Immunization	Handan ALP, MD, Proff.	4			124	46	25-I
PED011	Familial Mediterranean Fever (FMF)	Handan ALP, MD, Proff.	2		3, 10, 31, 32, 52, 58	59, 109		
PED012	Pneumonia	Handan ALP, MD, Proff.	1		1, 4, 10, 28, 46, 74, 87, 93	44, 97, 132		
PED013	Acute Bronchiolitis and Wheezing Child	Handan ALP, MD, Proff.	1		1, 9, 10, 28, 46, 74 87, 92	13, 44		
PED014	Obstructive Respiratory Diseases (Croup Syndrome)	Handan ALP, MD, Proff.	2		1, 9, 10, 74, 86 89, 92	36		
PED015	Vasculitis-Henoch Schönlein Purpura	Handan ALP, MD, Proff.	2		8, 10, 16, 31, 32, 36, 41, 43, 58, 78	109, 112		
PED016	Healthy Child Monitoring	Handan ALP, MD, Proff.	1		34, 67	124		25-a, h
PED017	Anamnesis and Vital Findings	Cahit KARAKELLEOĞ LU, MD, Prof.	1		4, 34, 36, 37, 52, 53, 93, 94	15, 45		
PED018	Meningitis- Meningococemia	Cahit KARAKELLEOĞ LU, MD, Proff.	2		9, 10, 12, 13 16, 53	1, 37, 38		
PED019	Salmonella- Shigella- Brucellosis	Cahit KARAKELLEOĞ LU, MD, Proff.	2		10, 16, 29, 31, 32 41, 52, 58, 61	19, 24, 119		
PED020	Parasites	Cahit KARAKELLEOĞ LU, MD, Proff.	2		16, 27, 41, 42 58, 65, 66	123		
PED021	Genetic Diseases	Cahit KARAKELLEOĞ LU, MD, Proff.	2		53, 67	89		
PED022	Hepatitis and Hepatic Coma	Cahit KARAKELLEOĞ LU, MD, Proff.	2		10, 13, 16, 18, 41, 57, 58, 84	26, 91, 107		



PED023	Rash Diseases	Cahit KARAKELLEOĞLU, MD, Proff.	2		3, 10, 14, 18, 24, 25, 36, 41	122		
PED024	Congenital Heart Diseases	Fuat LALOĞLU MD, Assist. Proff	2		22, 28, 33, 47, 48, 56, 85, 87	30, 31, 88, 99		
PED025	Carditis	Fuat LALOĞLU MD, Assist. Proff	1		28, 38, 41, 56,	30, 31, 67, 95, 96		
PED026	Kawasaki	Naci CEVİZ, MD, Proff.	1		10, 24, 63, 70	105		
PED027	Acute Rheumatic Fever	Fuat LALOĞLU MD, Assist. Proff	1		10, 28, 31, 32, 52	30, 31, 108		
PED028	Arrhythmias	Naci CEVİZ, MD, Proff.	1		20, 28, 38, 85	30, 31		
PED029	Upper respiratory infections	Naci CEVİZ, MD, Proff.	2		10, 14, 74, 94	36, 134		
PED030	Cardiovascular system examination	Naci CEVİZ, MD, Proff.	1		28, 22, 31, 32, 33, 38, 39, 56, 87	30, 31, 45, 67, 95, 99		
PED031	Heart failure	Naci CEVİZ, MD, Proff.	2		20, 28, 33, 38, 41, 45, 46, 47, 48, 73, 74, 87	30, 31, 45, 67, 95		
PED032	Acute Glomerulonephritis	Celalettin KOŞAN, MD, Proff.	2		4, 6, 8, 10, 12, 13, 16, 36, 41, 43, 49, 58 64, 73, 93	4, 5,		
PED033	Acute Renal Insufficiency	M.Akif Güler. MD, Assist.Proff	2		8, 13, 16, 24, 28, 29, 36, 41, 49, 58, 66, 78, 79, 80, 93	2, 4		
PED034	Chronic Renal Insufficiency	M.Akif Güler. MD, Assist.Proff	2		4, 6, 8, 13, 19, 41 43, 49, 58, 79.80, 90, 93	2, 9, 15, 35, 90		
PED035	Hypertension	Celalettin KOŞAN, MD, Proff.	1		11, 12, 13, 20 49, 53, 58, 85	21, 90, 100		
PED036	Nephrotic Syndromes	Celalettin KOŞAN, MD, Proff.	2		37, 64, 73	2, 110, 114		
PED037	Urinary Infections	Celalettin KOŞAN, MD, Proff.	2		4, 16, 30, 35, 36, 43 51, 55, 58, 66 81, 93	133		
PED038	Collagen Tissue Diseases	Celalettin KOŞAN, MD, Proff.	2		4, 31, 32, 52	102, 103, 104, 105, 109		
PED039	Respiratory System Examination	H.DÖNERAY, MD, Proff.	1		1, 17, 38, 44, 46, 74 86, 87, 94	2, 10, 36, 41, 44		
PED040	Puberty Disorders	H.DÖNERAY, MD, Proff.	2		5, 19, 50, 54, 82	54, 124		
PED041	Diabetic Mother Baby	H.DÖNERAY, MD, Proff.	2		13, 64	16, 27, 115		
PED042	Tuberculosis	H.DÖNERAY, MD, Proff.	2		10, 41, 44, 74	97, 118		
PED043	Malnutrition	H.DÖNERAY,	2		6, 19, 25,	15, 94,		

		MD, Proff.			29, 49 61, 65, 73	127		
PED044	Growth Assessment and Adolescent Examination	H.DÖNERAY, MD, Proff.	1		5, 6, 19, 34, 41, 65, 67	124		
PED045	Nervous System Examination	Hüseyin TAN, MD, Proff.	2		11, 12, 4, 21, 23, 34, 40, 53, 60, 91	20, 22, 38, 58, 73, 76, 83, 113		
PED046	Gullian Barre Syndrome- Poliomyelitis	Hüseyin TAN, MD, Proff.	1		41, 51, 60, 61, 75, 76, 94	69		
PED047	Encephalitis	Hüseyin TAN, MD, Proff.	1		10, 41, 53, 60	38		
PED048	Headache- Migraine	Hüseyin TAN, MD, Proff.	1		11, 12, 13, 16, 21, 52	39		
PED049	Convulsions	Hüseyin TAN, MD, Proff.	2		13, 53	23, 38		
PED050	Coma	Hüseyin TAN, MD, Proff.	1		1, 13, 21, 23, 53	28, 34, 73		
PED051	Cerebral Palsy	Hüseyin TAN, MD, Proff.	1		23, 32, 34, 53, 55, 67, 72,	20, 101		
PED052	epilepsy	Hüseyin TAN, MD, Proff.	2		11, 112, 13, 40,	20, 113		
PED053	Childhood Anemia	Zerrin ORBAK, MD,Proff.	3		6, 25, 41, 45, 88	15,57,70, 71,128		
PED054	Childhood Solid Tumors	Zerrin ORBAK, MD,Proff.	2		15, 37, 43, 45, 47, 59, 62, 65, 70, 77, 88	61, 84		
PED055	lymphomas	Zerrin ORBAK, MD,Proff.	1		37, 45, 59, 65, 70, 88	92		
PED056	Oncological Emergencies- DIK	Zerrin ORBAK, MD,Proff.	1		10, 16, 57, 78	40, 49		
PED057	Bleeding diathesis - hemophilia	Zerrin ORBAK, MD,Proff.	2		18, 31, 32, 57, 78,	29,82		
PED058	Leukemia	Zerrin ORBAK, MD,Proff.	1		4,41, 45, 57, 65, 70, 78,	93		
PED059	Newborn Examination	K.Ş. TEKGÜNDÜZ, MD, Assoc.Proff.	1		2, 19, 24, 33, 69	17, 42, 50, 76, 126, 128, 135		
PED060	Perinatal Asphyxia	K.Ş. TEKGÜNDÜZ, MD, Assoc.Proff.	2		1, 13, 33, 34, 53, 67, 87,	17, 18, 76		
PED061	Preterm Baby's Monitoring	K.Ş. TEKGÜNDÜZ, MD, Assoc. Proff.	1		1, 9, 34, 49, 53	116		
PED062	Intrauterine Infections	K.Ş. TEKGÜNDÜZ, MD, Assoc.Proff.	1		1, 10, 13, 33, 78	79		
PED063	Intrauterine growth retardation and Premature Features	K.Ş. TEKGÜNDÜZ, MD, Assoc.Proff.	2		6, 19, 49	78		
PED064	NRP	K.Ş. TEKGÜNDÜZ, MD, Assoc.Proff.	2		1, 9	17, 18, 54		
PED065	Newborn Convulsions	K.Ş. TEKGÜNDÜZ, MD,	2		1, 53	29, 51, 55		

		Assoc.Proff.						
PED066	Birth Trauma	K.Ş. TEKGÜNDÜZ, MD, Assoc.Proff.	2		1, 33, 13, 48, 53, 78	28, 65		
PED067	NEC	K.Ş. TEKGÜNDÜZ, MD, Assoc.Proff.	1		9, 37, 42	52		
PED068	Evaluation of the Gastrointestinal System	Cahit KARAKELLEOĞ LU, MD, Proff	1		7, 26, 37, 45, 52, 55, 58, 59, 66, 71, 84, 88, 92	3, 6, 11, 14, 19, 25, 48, 68, 80, 86, 98, 110, 120		
PED069	Celiac Disease	Zerrin ORBAK, MD, Proff	1		29, 37, 52, 55, 65, 19	24, 29, 94		
PED070	Chronic Diarrhea - Cow's Milk Allergy	Fuat LALOĞLU MD, Assist. Proff	2		29, 37, 42, 52, 65	24, 29, 68, 77, 80, 94		
PED071	Cystic fibrosis	Handan ALP, MD, Proff.	1		65, 29, 19, 74	9, 85, 94		
PED072	Breastfeeding and Nutrition	Zerrin ORBAK, MD, Proff.	2		19, 64, 65,	24, 66		
PED073	Head and Neck Examination	Mustafa KARA MD, Assist.Proff.	1		15, 17, 18, 68, 72, 83, 94	126		
PED074	Skin and Lymph Node Examination	Mustafa KARA MD, Assist.Proff.	1		22, 24, 25, 70, 78,	14		
PED075	Newborn Anomalies	Mustafa KARA MD, Assist.Proff.	2		16, 33, 34, 74, 87	25, 50, 63, 111		
PED076	Emergencies and Metabolic Problems of Newborn	Mustafa KARA MD, Assist.Proff.	2		1, 9, 10, 33, 37, 48, 49, 53 55, 60, 90	9, 14, 27, 43, 55, 63, 106, 115, 124, 126		
PED077	Sepsis and Meningitis in the Newborn	Mustafa KARA MD, Assist.Proff.	2		9, 10, 33, 48, 49, 53	38, 42, 53		
PED078	Newborn Respiratory Problems	Mustafa KARA MD, Assist.Proff.	2		1, 87, 28	17, 41, 44, 54, 63, 99		
PED079	Newborn Jaundice	Mustafa KARA MD, Assist.Proff.	2		6, 9, 13, 33, 84	81, 117		
PED080	Rational Antibiotic Use	Halil Keskin, MD, Assist.Proff	1				35	
PED081	Cardio Pulmonary Arrest	Halil Keskin, MD, Assist.Proff	1		1, 53	32		
PED082	Acute Gastroenteritis - Dehydration	M.Akif Güler. MD, Assist.Proff	1		10, 13, 16, 29, 41 58	4, 9, 14, 24, 43, 45, 72		
PED083	Anaphylaxis	Halil Keskin, MD, Assist.Proff	1		1, 16, 48, 89, 94	7, 8, 36, 45, 47		
PED084	poisoning	Halil Keskin, MD, Assist.Proff	2		11, 16, 17, 20, 2123	11, 56		
PED085	Shock-sepsis	Halil Keskin, MD, Assist.Proff	2		9, 10, 13, 33, 41 48, 49	1, 2, 7, 8, 9, 14, 42, 43, 45		
PED086	Diphtheria-tetanus-Pertusis	M.Akif Güler. MD, Assist.Proff	2		1, 3, 9, 33, 74, 87 10, 14, 15, 16 75, 86, 90, 94	12, 46, 64		
PED087	Otitis-Mumps	M.Akif Güler. MD, Assist.Proff	1		10, 15, 68	125, 130, 131		

PED088	Crimean Congo Hemorrhagic Fever	M.Akif Güler. MD, Assist.Proff	1		10, 12, 13, 60 78	33, 42, 43, 45 , 49		
PED089	Anthropometric measurements, To be able to measure and evaluate blood glucose with glucometer. To be able to interpret the results of screening and diagnostic purposes	Zerrin ORBAK, MD, Proff.		1			9, 25, 34	
PED090	To be able to provide decontamination, disinfection, sterilization, antisepsis. To be able to take measures to prevent healthcare related infections. Taking samples for culture, Hand washing	M.Akif Güler. MD, Assist.Proff		1			16, 22, 33, 36	
PED091	Neurological Examination. Consciousness and Mental status, GKS assessment	Hüseyin TAN, MD, Proff.		1			6, 19, 24, 37, 48,	
PED092	Evaluation of vital signs. To be able to take a general and problematic history, to prepare a patient file. Lumbar puncture	Cahit KARAKELLEOĞ LU, MD, Proff		1			29, 32, 1, 23,	
PED093	To be able to apply oxygen and nebul - inhaler treatment. To provide proper protection and transportation to the cold chain. To be able to carry out immunization services.	Handan ALP, MD, Proff.		1			41, 43, 46	
PED094	Urinary catheter insertion. Blood pressure measurement, Full urine analysis (including microscopic examination) and evaluation	M.Akif Güler. MD, Assist.Proff		1			15, 39, 51	
PED095	Head - neck, ENT, Skin examination. Measuring and evaluating transcutaneous bilib. Being able to take heel blood. Teaching correct breastfeeding methods. Newborn metabolic and endocrine disease screening program	Mustafa KARA MD, Assist.Proff.		1			4, 10, 28, 45, 47, 52	
PED096	GIS Inspection. Enema. To be able to wash the stomach. To be able to apply nasogastric catheter	Fuat Laloğlu,MD,Assi st.Proff		1			17, 18, 20, 26	
PED097	Cardiovascular system examination. Ability to draw and evaluate ECG. Apply defibrillation.	Naci CEVİZ, MD, Proff.		1			7, 30, 49	
PED098	Child and newborn examination. Ability to care for babies after birth. To be able to apply pulse oximeter and evaluate.	K.Ş. TEKGÜNDÜZ, MD, Assoc.Proff.		1			2, 12, 27, 50	
PED099	Respiratory system examination Monitor growth and development in children (percentile, Tanner). Making a PPD test	H.DÖNERAY, MD, Proff.		1			5, 21, 31	

PED0100	To be able to measure and evaluate bleeding time. Capillary blood sample can be taken. To be able to make and evaluate peripheral smear	Zerrin ORBAK, MD, Proff.		1			3, 8, 40,	
PED101	"Airway" application. To be able to intubate. To be able to give a coma position to the patient. To be able to remove the foreign body on the airway with appropriate maneuver. To apply cervical collar (neck collar). To provide basic life support.	Halil Keskin, MD, Assist.Proff		1			11, 13, 14, 38, 42, 44	

## 6. LEARNING METHODS OF PEDIATRICS CLERKSHIP PROGRAM

LEARNING METHODS OF PEDIATRICS CLERKSHIP PROGRAM	
Learning Methods Related with Knowledge:	
<ul style="list-style-type: none"> <li>• Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences</li> <li>• On-the-job learning and assessment</li> <li>• Structured case discussion</li> </ul>	
Learning Methods Related with Medical practices:	
<ul style="list-style-type: none"> <li>• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures</li> <li>• Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)</li> <li>• Independent learning</li> </ul>	
Learning Methods Related with Professionalism	
<ul style="list-style-type: none"> <li>• Interdisciplinary learning activities (meetings, panels, forums, group discussions)</li> <li>• Critical situation discussions</li> <li>• Written visual texts readings and interpretations</li> <li>• On-the-job learning and assessment (MiniPET)</li> </ul>	

## 7. "STUDENT TRAINEE REPORT" FOR PEDIATRICS CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV PEDIATRICS CLERKSHIP STUDENT TRAINEE REPORT			
Name:.....Surname:.....			
Student Number:		Date:...../...../.....	
I- Basic Medicine Practices	Learning Level**	Number of Applications	Teaching Staff Approve (Date)
<b>A. Taking Anamnesis</b>			
To be able to take general and problematic stories	4	1*	
To evaluate the mental status	4	1	
<b>B. Physical Examination (General and Problem-Oriented)</b>			

Anthropometric measurements	4	1*	
Head - neck and EAR-NOSE-THROAT examination	3	1	
Abdominal examination	4	1	
Consciousness assessment and mental state examination	4	1	
Child and newborn examination	4	1	
Skin examination	4	1	
Evaluation of general condition and vital signs	4	1	
Cardiovascular system examination	4	1	
Neurological examination	3	1	
Respiratory system examination	4	1	
<b>C. Registration, Reporting and Notification</b>			
To prepare patient file	4	1	
<b>D. Laboratory Tests and Other Related Processes</b>			
To be able to provide decontamination, disinfection, sterilization, antisepsis	4	1	
Capturing and evaluating ECG	3	1*	
To be able to measure and evaluate blood glucose with glucometer	4	1*	
To measure and evaluate bleeding time	2	1*	
To be able to make and evaluate peripheral smear	3	1*	
To be able to interpret the results of screening and diagnostic purposes	3	1*	
Measuring and evaluating transcutaneous bilib	3	1*	
Full urine analysis (including microscopic examination) and evaluate	3	1*	
<b>E. Interventional and Non-Interventional Applications</b>			
"Airway" application	3	1*	
Using medicine with care	4	1	
Ability to monitor growth and development in children (percentile curves, Tanner rating)	3	1	
Ability to apply defibrillation	4	1*	
To be able to take care of the baby after birth	3	1	
Hand washing	4	1	
Intubation	3	1*	
Evaluation of Glasgow coma scale	4	1	
To be able to give the patient a coma position	4	1	
Ability to remove the foreign body in the airway with the appropriate maneuver	3	1	
Urinary catheter insertion	3	1*	
Being able to measure blood pressure	4	1*	
Capillary blood sampling	3	1	
Being able to take samples for culture	3	1*	
Enema	1	1*	
Ability to perform lumbar puncture	3	1*	
Stomach washing	3	1*	
Minimetal status examination	3	1	
To be able to apply nasogastric catheter	3	1*	
To be able to apply oxygen and nebul - inhaler treatment	4	1	
To be able to apply PPD test	3	1*	



To be able to apply and evaluate pulse oximetry	4	1	
Being able to apply cervical collar (neck collar)	4	1*	
Providing protection and transportation suitable for cold chain	4	1	
Providing basic life support	4	1	
Ability to take heel blood	4	1*	
Newborn vitalization	2	1*	
<b>I. Scans</b>			
Newborn metabolic and endocrine disease screening program	4	1	
<b>I-Total Basic Medicine Practice score (out of 5 point)</b>			
<b>II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)</b>			
<b>Total Professionalism score (out of 5 point)</b>			
<b>III- Clinical Problem Solving (out of 5)</b> (Given from the performance shown in <b>Case Based Learning sessions</b> )			
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)</b>			
<div style="display: flex; justify-content: space-around; align-items: center; height: 100px;"> <div style="text-align: center;"> <b>Teaching Staff</b>  <b>Date and Sign</b> </div> <div style="text-align: center;"> <b>Head of Department</b>  <b>Date and Sign</b> </div> </div>			

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

<b>Learning Level**</b>	<b>Explanation</b>
<b>1</b>	Knows how to practice and explains the results to patients and / or relatives.
<b>2</b>	In an emergency, performs the application in accordance with the guide / instruction
<b>3</b>	Performs the application* in uncomplicated, common, situations / cases.
<b>4</b>	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

## 8. ASSESSMENT AND EVALUATION METHODS IN PEDIATRICS CLERKSHIP

ASSESSMENT AND EVALUATION METHODS IN PEDIATRICS CLERKSHIP
PRACTICAL-ORAL EXAMINATION

<ul style="list-style-type: none"> <li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (15%) <ul style="list-style-type: none"> <li>➤ <b>Basic Medicine Practices</b> (5 %).</li> <li>➤ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).</li> <li>➤ <b>Clinical Problem Solving</b> (Given from the performance shown in <b>Case Based Learning sessions</b>) (out of 5)</li> </ul> </li> <li>• <b>Practical Exam:</b> It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%)</li> <li>• <b>Oral Examination:</b> Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85%)</li> <li>• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.</li> <li>• Students who fail the practical-oral examination, take the make-up exam.</li> <li>• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.</li> </ul>
<b>THEORETICAL EXAM</b>
<ul style="list-style-type: none"> <li>• It consists of a total of 100 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision)</li> <li>• Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.</li> <li>• Students who fail the theoretical examination, take the make-up exam.</li> </ul>
<b>SUCCESS GRADE</b>
<ul style="list-style-type: none"> <li>• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.</li> </ul>
<b>MAKE-UP EXAM</b>
<ul style="list-style-type: none"> <li>• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.</li> </ul>

## SESSION IV GENERAL SURGERY CLERKSHIP GUIDE

<b>Stajın Kodu</b>	TPT-502
<b>Staj Süresi</b>	8 weeks

<b>Stajın Tipi</b>	Compulsory/Elective
<b>AKTS</b>	5

### GENERAL SURGERY CLERKSHIP- Prerequisite Courses

<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committee (s) in session 3

### REFERENCES (RESOURCE BOOK - OTHERS)

<b>1.</b>	Schwartz General Surgery Book
<b>2.</b>	Sabiston General Surgery Book
<b>3.</b>	Basic Surgery Book (Iskender Sayek)

### GENERAL SURGERY CLERKSHIP- RULES FOR STUDENTS

<b>1</b>	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
<b>3</b>	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship..
<b>4</b>	Students are obliged to keep the "Ataturk University Faculty of Medicine Trainee Report" which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
<b>4</b>	Students will actively participate in lectures given by faculty members, visits, outpatient and endoscopy applications and surgeries.
<b>5</b>	In order to be successful at the end of the clerkship; Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the Trainee Report and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles"..
<b>7</b>	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at " <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ". The participation link to the survey will be sent to the students by the dean's management.

### 1. GENERAL SURGERY CLERKSHIP- OBJECTIVE OF THE PROGRAM

#### OBJECTIVE OF THE GENERAL SURGERY CLERKSHIP PROGRAM

<b>1.</b>	To be able to make a preliminary diagnosis and diagnosis of important, common internal diseases by considering the learning objectives specified in the core training program at the end of the General Surgery internship.
<b>2.</b>	To be able to perform emergency treatment by defining emergencies (such as acute abdomen, traumas, shock) for General Surgery
<b>3.</b>	To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria
<b>4.</b>	To be able to provide referral when necessary after emergency intervention and treatment
<b>5.</b>	Comprehend the importance of establishing a good patient-physician and physician-physician communication and develop their skills.
<b>6.</b>	To gain the knowledge, skills and professionalism characteristics determined for the internship.

### 2. GENERAL SURGERY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	5	4	5	2	2	3	2	2	1	2	4	2	1	1	1	1	2	1	1	1
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levels	1	4	4	1	1	1	2	1	3	3	4	3								

**Contribution levels:** -:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high

### 3. LEARNING OBJECTIVES OF THE GENERAL SURGERY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the General Surgery clerkship period

GENERAL SURGERY CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS					
35.	Bloating in the abdomen	9	Hemoptysis	17	Weight loss
36.	Anorectal pain	10	Hepatomegaly	18	Colic pains (renal, biliary, intestinal)
37.	fever	11	Gynecomastia	19	Accidents (Home - work - traffic accidents, electric shock, falling, drowning)
38.	Mass on the neck	12	Constipation	20	Corrosive exposure
39.	Nausea and vomiting	13	Abdominal pain	21	lymphadenopathy
40.	Pelvic Mass	14	Mass in the abdomen	22	Melena-hematemesis
41.	Breast Pain	15	Mass in the groin / scrotum	23	Breast discharge
42.	Hematoecesia / Rectal bleeding	16	Weight gain / excess	24	Mass in the breast
25.	Icterus	26.	Wounds and injuries	27	

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the "Diseases / Clinical Problems" listed below during the General Surgery clerkship period.

GENERAL SURGERY CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS	
LEARNING LEVELS	CLINICAL PROBLEM
In the clinical problems mentioned in the column next to;  <b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b>	<ol style="list-style-type: none"> <li>1. Acute abdominal syndrome</li> <li>2. Lower gastrointestinal bleeding</li> <li>3. Acid-base balance disorders</li> <li>4. Hepatic coma</li> <li>5. Hypoglycemia</li> <li>6. Invagination</li> <li>7. Abdominal wall / Groin hernias</li> <li>8. Abdominal trauma</li> <li>9. Compartment syndrome</li> <li>10. Oncological emergencies</li> <li>11. Sepsis</li> <li>12. Fluid and electrolyte (sodium, potassium, calcium, magnesium, phosphorus) balance disorders</li> <li>13. Shock</li> </ol>

	14. Upper gastrointestinal bleeding 15. Trauma and injuries 16. Acute pancreatitis 17. Appendicitis 18. Gas gangrene 19. Ileus 20. Blood and products transfusion complications 21. Common intravascular coagulation
In the clinical problems mentioned in the column next to;  <b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert</b>	22. Cushing's disease 23. Diaphragmatic hernias 24. Pheochromocytoma 25. Gastrointestinal tract tumors 26. Gastrointestinal tract motility disorders 27. Hepatosteatorrhea 28. Hyperparathyroidism 29. Hypoparathyroidism 30. Inflammatory bowel disease 31. Irritable bowel disease 32. Liver cirrhosis 33. Cyst hydatid disease 34. Cholecystitis, cholelithiasis 35. Colorectal cancers 36. Chronic pancreatitis 37. Lymphedema 38. Malabsorption 39. Breast diseases and tumors 40. Peritonitis 41. Pyloric stenosis 42. Thyroid tumors 43. Wilson disease
In the clinical problems mentioned in the column next to;  <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b>	44. Acute hepatitis 1. Acute abdomen 2. Lower gastrointestinal bleeding 45. Abdominal wall / Groin hernias 43. Compartment syndrome 46. Obesity (endogenous - exogenous) 12. Fluid and electrolyte (sodium, potassium, calcium, magnesium, phosphorus) balance disorders 14. Upper gastrointestinal bleeding 47. Perianal abscess 48. Hyperthyroidism
In the clinical problems mentioned in the column next to;  <b>Be able to Diagnose and Treat (DT)</b>	49. Anal fissure 50. Pressure sores 51. Dehydration 52. Iron deficiency anemia 53. Gastro - esophageal reflux 54. Hemorrhoids 55. Hypothyroidism 56. Peptic disease (ulcer) 57. Tuberculosis
In the clinical problems mentioned in the column next to;  <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	44. Acute hepatitis 50. Pressure sores 51. Dehydration 52. Iron deficiency anemia 25. Cancers of the gastrointestinal tract

	53. Gastro - esophageal reflux 58. Goiter 54. Hemorrhoids 31. Irritable bowel disease 32. Liver cirrhosis 33. Cyst hydatid disease 35. Colorectal cancers 9. Compartment syndrome 39. Breast diseases and tumors 46. Obesity 56. Peptic disease (ulcer) 12. Fluid and electrolyte (sodium, potassium, calcium, magnesium, phosphorus) balance disorders 57. Tuberculosis
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**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the General Surgery clerkship period.

GENERAL SURGERY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	BASIC MEDICINE APPLICATIONS
Skills specified in the adjacent column;  performs pre-assessment / evaluation in <b>uncomplicated</b> , frequent, cases creates necessary plans and informs patients and their relatives <b>and does the application (LEARNING LEVEL 3)</b>	1. Digital rectal examination 2. To be able to read and evaluate direct radiographs 3. To open vascular access 4. Intubation 5. To be able to take a biological sample from the patient 6. IM, IV, SC, ID injection 7. Ability to insert urine catheter 8. To be able to take samples for culture 9. Enema making 10. To be able to apply nasogastric catheter 11. To be able to perform oral, rectal, vaginal and topical drug applications 12. Ability to throw and remove superficial sutures 13. To be able to provide health education to the society
Skills specified in the adjacent column;  Pre-evaluate the application including <b>complex</b> situations / cases, creates the necessary plans and informs the patients and their relatives <b>and does the application (LEARNING LEVEL 4)</b>	14. To be able to take general and problematic stories 15. To be able to evaluate mental state 16. Head neck, breast and abdomen examination 17. Lighting and obtaining consent 18. To prepare epicrisis 19. To prepare patient file 20. To be able to issue a recipe 21. To be able to prepare refusal of treatment document 22. To apply the principles of working with biological material 23. To be able to provide decontamination, disinfection, sterilization, antisepsis 24. To fill the request form for laboratory examination 25. Ability to take the sample of the laboratory under suitable conditions and deliver it to the laboratory 26. Hand washing 27. To be able to apply oxygen and nebul - inhaler treatment

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the General Surgery clerkship period

GENERAL SURGERY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	

	4. Work and health interaction f. Accidents at work
	Environment and health interaction a. Healthy nutrition and food policies
	13. Accidents a. Home accidents b. Traffic accidents c. Accidents at work

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of General Surgery clerkship

ATTITUDES THAT SHOULD BE GAINED FOR <i>PROFESSIONALITY</i> DURING THE GENERAL SURGERY CLERKSHIP	
1.	Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine
2.	Rights-based health approach
3.	Communication skills, communication in difficult situations, interpersonal relations and teamwork
4.	History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.
5.	Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.
6.	Patient rights, physician responsibility, patient-physician relationship.
7.	Problems and dilemmas for professionalism / ethics in health processes.
8.	Legal problems in health processes.
9.	Research and publication ethics.
10.	Determinants of health, inequality in health, social gender and health.
11.	Health systems, health policies.
12.	Health economics and management.
13.	Reflective thinking and practice, continuous individual and professional development, education and consultancy.
14.	Work culture in coordination with other members of the team and disciplines
15.	Being able to share their knowledge and professional experience with other members of the team,,

#### 4. GENERAL SURGERY CLERKSHIP - WEEKLY COURSE PROGRAM

SESSION IV GENEL SURGERY CLERKSHIP- WEEKLY COURSE PROGRAM			
Days	Subject of The Lesson	Lesson Time	Teaching Staff
Monday	1. WEEK		
	Information about internship and ethical and professional values in clinical practice	08.00-9.00	Prof. Dr. Yavuz ALBAYRAK
	Group 1 (operating room), Group 2 (polyclinic) Group 3 (endoscopy), Group 4 (service)	09.00-10.00	Responsible Faculty Member
	Surgical anamnesis, physical examination and diagnostic paths	10.00-12.00	Dr.Öğr.Ü.Esra DİŞÇİ
Tuesday	Group 1 (operating room), Group 2 (polyclinic) Group 3 (endoscopy), Group 4 (service)	13.00-16.00	Responsible Faculty Member
	Group 1 (operating room), Group 2 (polyclinic) Group 3 (endoscopy), Group 4 (service)	08.00-10.00	Responsible Faculty Member
	Wound healing	10.00-12.00	Prof.Dr.S.Selçuk ATAMANALP
	Group 1 (operating room), Group 2 (polyclinic) Group 3 (endoscopy), Group 4 (service)	13.00-16.00	Responsible Faculty Member
Wednesday	Group 1 (operating room), Group 2 (polyclinic) Group 3 (endoscopy), Group 4 (service)	08.00-10.00	Responsible Faculty Member
	Surgical diseases of the colon	10.00-12.00	Prof. Dr. Yavuz ALBAYRAK
	Elective / Freelance	13.00-16.00	Responsible Faculty Member

<b>Thursday</b>	Group 1 (operating room), Group 2 (polyclinic) Group 3 (endoscopy), Group 4 (service)	08.00-12.00	Responsible Faculty Member
	Group 1 (operating room), Group 2 (polyclinic) Group 3 (endoscopy), Group 4 (service)	13.00-16.00	Responsible Faculty Member
<b>Friday</b>	Group 1 (operating room), Group 2 (polyclinic) Group 3 (endoscopy), Group 4 (service)	08.00-10.00	Responsible Faculty Member
	Abdominal pain, acute abdomen and peritonitis	10.00-12.00	Dr.Öğr.Ü.Nurhak AKSUNGUR
	Group 1 (operating room), Group 2 (polyclinic) Group 3 (endoscopy), Group 4 (service)	13.00-14.00	Responsible Faculty Member
	Traumatic acute abdomen	14.00-16.00	Dr.Öğr.Ü.Nurhak AKSUNGUR
<b>Monday</b>	<b>2. WEEK</b>		
	Group 1 (policlinic), Group 2 (operating room) Group 3 (service), Group 4 (endoscopy)	08.00-10.00	Responsible Faculty Member
	General information about transplantation and organ transplantation	10.00-12.00	Prof.Dr.Gürkan ÖZTÜRK
	Group 1 (policlinic), Group 2 (operating room) Group 3 (service), Group 4 (endoscopy)	13.00-16.00	Responsible Faculty Member
<b>Tuesday</b>	CBE (Case-Based Learning) I. seance	08.30-09.30	Dr.Öğr.Ü.Erdem KARADENİZ
	Metabolic and endocrine response to trauma	10.00-12.00	Dr.Öğr.Ü.Necip ALTUNDAŞ
	Group 1 (policlinic), Group 2 (operating room) Group 3 (service), Group 4 (endoscopy)	13.00-14.00	Responsible Faculty Member
	Asepsis, antisepsis, disinfection	14.00-15.00	Dr.Öğr.Ü.Esra DİŞÇİ
	Group 1 (policlinic), Group 2 (operating room) Group 3 (service), Group 4 (endoscopy)	15.00-16.00	Responsible Faculty Member
<b>Wednesday</b>	Group 1 (policlinic), Group 2 (operating room) Group 3 (service), Group 4 (endoscopy)	08.00-10.00	Responsible Faculty Member
	Gastrointestinal system bleeding	10.00-12.00	Dr.Öğr.Ü.Esra DİŞÇİ
	Elective / Freelance	13.00-16.00	Responsible Faculty Member
<b>Thursday</b>	Group 1 (policlinic), Group 2 (operating room) Group 3 (service), Group 4 (endoscopy)	08.00-10.00	Responsible Faculty Member
	Mesenteric vascular diseases	10.00-12.00	Dr.Öğr.Ü.Erdem KARADENİZ
	CBE (Case-Based Learning) I. seance	13.00-14.00	Dr.Öğr.Ü.Esra DİŞÇİ
	Fluid, electrolyte and acid base balance	14.00-16.00	Dr.Öğr.Ü.Necip ALTUNDAŞ
<b>Friday</b>	Group 1 (policlinic), Group 2 (operating room) Group 3 (service), Group 4 (endoscopy)	08.00-10.00	Responsible Faculty Member
	Shock and Multi Organ Failure	10.00-12.00	Dr.Öğr.Ü.Salih KARA
	CBE (Case-Based Learning) I. seance	13.00-14.00	Dr.Öğr.Ü.Ercan KORKUT
	CBE (Case-Based Learning) I. seance	14.00-16.00	Dr.Öğr.Ü.Nurhak AKSUNGUR
<b>Monday</b>	<b>3. WEEK</b>		
	CBE (Case-Based Learning) I. seance	08.30-09.30	Dr.Öğr.Ü.Necip ALTUNDAŞ
	Surgical diseases of the biliary system	10.00-12.00	Dr.Öğr.Ü.Nurhak AKSUNGUR
	Group 1 (endoscopy), Group 2 (service) Group 3 (polyclinic), Group 4 (operating room)	13.00-16.00	Responsible Faculty Member
<b>Tuesday</b>	CBE (Case-Based Learning) I. seance	08.30-09.30	Dr.Öğr.Ü.Salih KARA
	Post-operative care	10.00-12.00	Prof.Dr.Müfide N.AKÇAY
	Nutrition in surgery	14.00-16.00	Prof.Dr.Müfide N.AKÇAY
<b>Wednesday</b>	CBE (Case-Based Learning) II. seance	08.30-09.30	Dr.Öğr.Ü.Nurhak AKSUNGUR
	Benign and malignant diseases of the anorectal region	10.00-12.00	Prof.Dr.M.İlhan YILDIRGAN
	Elective / Freelance	13.00-16.00	Responsible Faculty Member
<b>Thursday</b>	CBE (Case-Based Learning) II. seance	08.30-09.30	Dr.Öğr.Ü.Esra DİŞÇİ
	Stomas of gastrointestinal system	10.00-12.00	Prof.Dr. Yavuz ALBAYRAK
	Group 1 (endoscopy), Group 2 (service) Group 3 (polyclinic), Group 4 (operating room)	13.00-16.00	Responsible Faculty Member
<b>Friday</b>	Intestinal obstructions	10.00-12.00	Prof.Dr. Yavuz ALBAYRAK
	Blood transfusions	14.00-16.00	Dr.Öğr.Ü.Necip ALTUNDAŞ
<b>Monday</b>	<b>4. WEEK</b>		



	Group 1 (Service), Group 2 (endoscopy) Group 3 (operating room), Group 4 (polyclinic)	08.00-10.00	Responsible Faculty Member
	Portal hypertension	10.00-12.00	Prof.Dr.Gürkan ÖZTÜRK
	CBE (Case-Based Learning) II. seance	13.30-14.30	Dr.Öğr.Ü.Erdem KARADENİZ
	Group 1 (Service), Group 2 (endoscopy) Group 3 (operating room), Group 4 (polyclinic)	15.00-16.00	Responsible Faculty Member
<b>Tuesday</b>	CBE (Case-Based Learning) II. seance	08.30-09.30	Dr.Öğr.Ü.Ercan KORKUT
	Benign and malignant diseases of the pancreas	10.00-12.00	Dr.Öğr.Ü.Ercan KORKUT
	Group 1 (Service), Group 2 (endoscopy) Group 3 (operating room), Group 4 (polyclinic)	13.00-16.00	Responsible Faculty Member
<b>Wednesday</b>	CBE (Case-Based Learning) II. seance	08.30-09.30	Dr.Öğr.Ü.Necip ALTUNDAŞ
	Endocrine tumors of gastrointestinal system	10.00-12.00	Dr.Öğr.Ü.Esra DIŞÇI
	Elective / Freelance	13.00-16.00	Responsible Faculty Member
<b>Thursday</b>	Group 1 (Service), Group 2 (endoscopy) Group 3 (operating room), Group 4 (polyclinic)	08.00-10.00	Responsible Faculty Member
	Surgical diseases of the diaphragm and reflux disease	10.00-12.00	Dr.Öğr.Ü.Salih KARA
	CBE (Case-Based Learning) II. seance	14.00-16.00	Dr.Öğr.Ü.Salih KARA
<b>Friday</b>	Group 1 (Service), Group 2 (endoscopy) Group 3 (operating room), Group 4 (polyclinic)	08.00-10.00	Responsible Faculty Member
	MIDTERM EXAM	10.00-12.00	
	Group 1 (Service), Group 2 (endoscopy) Group 3 (operating room), Group 4 (polyclinic)	13.00-16.00	Responsible Faculty Member
<b>Monday</b>	<b>5. WEEK</b>		
	Group 1 (endoscopy), Group 2 (service) Group 3 (polyclinic), Group 4 (operating room)	08.00-10.00	Responsible Faculty Member
	Surgical clinical ethics practices	10.00-12.00	Prof.Dr.Ahmet Nezh KÖK
	Group 1 (endoscopy), Group 2 (service) Group 3 (polyclinic), Group 4 (operating room)	13.00-14.00	Responsible Faculty Member
	Gastric cancer	14.00-16.00	Prof.Dr. Yavuz ALBAYRAK
<b>Tuesday</b>	Group 1 (endoscopy), Group 2 (service) Group 3 (polyclinic), Group 4 (operating room)	08.00-10.00	Responsible Faculty Member
	Surgical oncology	10.00-12.00	Prof.Dr.S.Selçuk ATAMANALP
	Group 1 (endoscopy), Group 2 (service) Group 3 (polyclinic), Group 4 (operating room)	13.00-14.00	Responsible Faculty Member
	Pilonidal sinus and surgical treatment	14.00-16.00	Dr.Öğr.Ü.Ercan KORKUT
<b>Wednesday</b>	Group 1 (endoscopy), Group 2 (service) Group 3 (polyclinic), Group 4 (operating room)	08.00-10.00	Responsible Faculty Member
	Morbid obesity	10.00-12.00	Prof.Dr.Müfide N.AKÇAY
	Elective / Freelance	13.00-16.00	Responsible Faculty Member
<b>Thursday</b>	Group 1 (endoscopy), Group 2 (service) Group 3 (polyclinic), Group 4 (operating room)	08.00-10.00	Responsible Faculty Member
	Laparoscopic surgery	10.00-12.00	Prof.Dr.M.ilhan YILDIRGAN
	Group 1 (endoscopy), Group 2 (service) Group 3 (polyclinic), Group 4 (operating room)	13.00-16.00	Responsible Faculty Member
<b>Friday</b>	Group 1 (endoscopy), Group 2 (service) Group 3 (polyclinic), Group 4 (operating room)	08.00-10.00	Responsible Faculty Member
	Anamnesis examination and diagnosis ways in breast diseases and surgical diseases of the breast	10.00-12.00	Prof.Dr.Müfide N.AKÇAY
	Group 1 (endoscopy), Group 2 (service) Group 3 (polyclinic), Group 4 (operating room)	13.00-16.00	Responsible Faculty Member
<b>Monday</b>	<b>6. WEEK</b>		
	Group 1 (operating room), Group 2 (polyclinic) Group 3 (endoscopy), Group 4 (service)	08.00-10.00	Responsible Faculty Member
	Benign diseases of the liver	10.00-12.00	Prof.Dr.Gürkan ÖZTÜRK
	Malignant diseases of the liver	14.00-16.00	Prof.Dr.Gürkan ÖZTÜRK
<b>Tuesday</b>	CBE (Case-Based Learning) III. seance	08.30-09.30	Dr.Öğr.Ü.Erdem KARADENİZ

	General information about the anterior abdominal wall hernias and Special hernia types	10.00-12.00	Dr.Öğr.Ü.Salih KARA
	Group 1 (operating room), Group 2 (polyclinic) Group 3 (endoscopy), Group 4 (service)	13.00-16.00	Responsible Faculty Member
<b>Wednesday</b>	Group 1 (operating room), Group 2 (polyclinic) Group 3 (endoscopy), Group 4 (service)	08.00-12.00	Responsible Faculty Member
	Elective / Freelance	13.00-16.00	Responsible Faculty Member
<b>Thursday</b>	Group 1 (operating room), Group 2 (polyclinic) Group 3 (endoscopy), Group 4 (service)	08.00-10.00	Responsible Faculty Member
	Acute Appendicitis	10.00-12.00	Dr.Öğr.Ü.Erdem KARADENİZ
	CBE (Case-Based Learning) III. seance	13.00-14.00	Dr.Öğr.Ü.Ercan KORKUT
	Group 1 (operating room), Group 2 (polyclinic) Group 3 (endoscopy), Group 4 (service)	14.00-16.00	Responsible Faculty Member
<b>Friday</b>	CBE (Case-Based Learning) III. seance	08.30-09.30	Dr.Öğr.Ü.Nurhak AKSUNGUR
	Dalağın cerrahi hastalıkları ve travması	10.00-12.00	Dr.Öğr.Ü.Necip ALTUNDAŞ
	CBE (Case-Based Learning) III. seance	13.00-14.00	Dr.Öğr.Ü.Esra DIŞÇI
	Group 1 (operating room), Group 2 (polyclinic) Group 3 (endoscopy), Group 4 (service)	14.00-16.00	Responsible Faculty Member
<b>Monday</b>	<b>7. WEEK</b>		
	Group 1 (polyclinic), Group 2 (operating room) Group 3 (service), Group 4 (endoscopi)	08.00-10.00	Responsible Faculty Member
	Definition of obstructive icterus, etiology, diagnostic routes, differential diagnosis with obstructive icterus and other icterus	10.00-12.00	Dr.Öğr.Ü.Ercan KORKUT
	Group 1 (polyclinic), Group 2 (operating room) Group 3 (service), Group 4 (endoscopi)	13.00-16.00	Responsible Faculty Member
<b>Tuesday</b>	CBE (Case-Based Learning) III. seance	08.30-09.30	Dr.Öğr.Ü.Necip ALTUNDAŞ
	Adrenal Diseases	10.00-12.00	Prof.Dr.Müfide N.AKÇAY
	Group 1 (polyclinic), Group 2 (operating room) Group 3 (service), Group 4 (endoscopi)	13.00-16.00	Responsible Faculty Member
<b>Wednesday</b>	Group 1 (polyclinic), Group 2 (operating room) Group 3 (service), Group 4 (endoscopi)	08.00-10.00	Responsible Faculty Member
	Infections In Surgery	10.00-12.00	Dr.Öğr.Ü.Salih KARA
	Elective / Freelance	13.00-16.00	Responsible Faculty Member
<b>Thursday</b>	Group 1 (polyclinic), Group 2 (operating room) Group 3 (service), Group 4 (endoscopi)	08.00-10.00	Responsible Faculty Member
	CBE (Case-Based Learning) III. seance	10.00-12.00	Dr.Öğr.Ü.Salih KARA
	CBE (Case-Based Learning) III. seance	13.00-14.00	Dr.Öğr.Ü.Nurhak AKSUNGUR
	Group 1 (polyclinic), Group 2 (operating room) Group 3 (service), Group 4 (endoscopi)	14.00-16.00	Responsible Faculty Member
<b>Friday</b>	Group 1 (polyclinic), Group 2 (operating room) Group 3 (service), Group 4 (endoscopi)	08.00-10.00	Responsible Faculty Member
	Anamnesis, examination, ways of diagnosis and surgical diseases of thyroid in thyroid diseases	10.00-12.00	Prof.Dr.Müfide N.AKÇAY
	CBE (Case-Based Learning) IV. seance	13.00-14.00	Dr.Öğr.Ü.Esra DIŞÇI
	Group 1 (polyclinic), Group 2 (operating room) Group 3 (service), Group 4 (endoscopi)	14.00-16.00	Responsible Faculty Member
<b>Monday</b>	<b>8. WEEK</b>		
	Group 1 (service), Group 2 (endoscopi) Group 3 (operating room), Group 4 (polyclinic)	08.00-12.00	Responsible Faculty Member
	Group 1 (service), Group 2 (endoscopi) Group 3 (operating room), Group 4 (polyclinic)	13.00-16.00	Responsible Faculty Member
<b>Tuesday</b>	CBE (Case-Based Learning) IV. seance	08.30-09.30	Dr.Öğr.Ü.Ercan KORKUT
	CBE (Case-Based Learning) IV. seance	10.00-11.00	Dr.Öğr.Ü.Erdem KARADENİZ
	Group 1 (service), Group 2 (endoscopi) Group 3 (operating room), Group 4 (polyclinic)	11.00-12.00	Responsible Faculty Member

	Group 1 (service), Group 2 (endoscopy) Group 3 (operating room), Group 4 (polyclinic)	13.00-14.00	Responsible Faculty Member
	Paratiroidin cerrahi hast.	14.00-16.00	Dr.Öğr.Ü.Erdem KARADENİZ
<b>Wednesday</b>	CBE (Case-Based Learning) IV. seance	08.30-09.30	Dr.Öğr.Ü.Necip ALTUNDAŞ
	CBE (Case-Based Learning) IV. seance	10.00-12.00	Dr.Öğr.Ü.Salih KARA
	Elective / Freelance	13.00-16.00	Responsible Faculty Member
<b>Thursday</b>	PRATICE EXAM		
<b>Friday</b>	THEORETICAL EXAM		
	Internship feedback meeting		Prof.Dr. Yavuz ALBAYRAK

## 5. MATCHING GENERAL SURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

MATCHING GENERAL SURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES							
Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptoms / Conditions	Clinical problem	Basic Medical Practices
GS 001	Surgical anamnesis, physical examination and diagnostic paths		2				15
GS 002	Abdominal pain, acute abdomen and peritonitis		2		1, 13, 18	1, 19, 20	
GS 003	Traumatic acute abdomen		2		1, 13, 19	1, 10, 11	
GS 004	Surgical diseases of the colon		2		8, 17	2, 13, 24, 25, 31, 32, 33, 38, 52, 53, 64, 79, 82	
GS 005	Wound healing		2		26	62	13
GS 006	General information about transplantation and organ transplantation		2		10, 25	6, 35, 50	16, 20
GS 007	Metabolic and endocrine response to trauma		2		19	3, 5, 10, 11, 16	
GS 008	Asepsis, antisepsis, disinfection		1			14	24, 27
GS 009	Gastrointestinal system bleeding		2		8, 9, 22	2, 16, 17, 64	1, 11
GS 010	Mesenteric vascular diseases		2		1, 13	5, 14, 15, 16, 18	
GS 011	Fluid, electrolyte and acid base balance		2		5, 8, 22	2, 5, 15, 16, 17, 46, 53	
GS 012	Shock and Multi Organ Failure		2		8, 19, 22	2, 3, 4, 5, 7, 11, 15, 16, 17	
GS 013	Surgical diseases of the biliary system		2		3, 5, 18, 25	35, 37	
GS 014	Post-operative care		2				4, 7, 8, 9, 10, 11, 12, 13
GS 015	Nutrition in surgery		2			41	
GS 016	Benign and malignant diseases of the anorectal region		2		2, 8, 12, 17, 22	2, 13, 24, 43, 44, 53, 61, 67	
GS 017	Stomas of gastrointestinal system		2			13, 38, 53	
GS 018	Intestinal obstructions		2		1, 5, 13, 14	13, 15, 43, 53	
GS 019	Blood transfusions		2		8, 22, 19	2, 4, 10, 11, 16, 17, 34	
GS 020	Portal hypertension		2		10, 25	6, 35, 48	
GS 021	Benign and malignant diseases of the pancreas		2		1, 5, 13, 14, 17	3, 7, 13, 19, 39	
GS 022	Endocrine tumors of		2		1, 5, 13, 14,	7, 13, 15, 53	

	gastrointestinal system			17		
GS 023	Surgical diseases of the diaphragm and reflux disease	2		5, 6	22, 76	
GS 024	Morbid obesity	2		16	56	
GS 025	Pilonidal sinus and surgical treatment	2				
GS 026	Gastric cancer	2		8, 13, 17, 22	13, 1724, 46, 60, 64, 75	
GS 027	Laparoscopic surgery	2				
GS 028	Anamnesis examination and diagnosis ways in breast diseases and surgical diseases of the breast	2		23, 24	40, 42	17
GS 029	Benign diseases of the liver	2		10, 13, 18, 25	6, 27, 35, 36, 48	
GS 030	Malignant diseases of the liver	2		10, 13, 18, 25	35, 50	
GS 031	General information about the anterior abdominal wall hernias and Special hernia types	2		5, 15	9, 53	
GS 032	Acute Appendicitis	2		3, 5, 13	1, 20	
GS 033	Surgical diseases and trauma of the spleen	2				
GS 034	Definition of obstructive icterus, etiology, diagnostic routes, differential diagnosis with obstructive icterus and other icterus	2		3, 13, 25	1, 50	
GS 035	Adrenal Diseases	2			21, 23	
GS 036	Infections In Surgery	2		3	14	
GS 037	Surgical oncology	2		14, 17	13, 24, 38	
GS 038	Anamnesis, examination, ways of diagnosis and surgical diseases of thyroid in thyroid diseases	2		4	29, 47	
GS 039	Surgical disease of parathyroid.	2		4	28, 30	
GS 040	CBE (Case-Based Learning)		24			1, 3, 15, 17

## 6. LEARNING METHODS OF GENERAL SURGERY CLERKSHIP PROGRAM

LEARNING METHODS OF GENERAL SURGERY CLERKSHIP PROGRAM	
Learning Methods Related with Knowledge:	
<ul style="list-style-type: none"> <li>• Bedside trainings, visits, structured focused patient visit; service, but operating room and outpatient experiences</li> <li>• On-the-job learning and assessment</li> <li>• Structured case discussion</li> </ul>	
Learning Methods Related with Medical practices:	
<ul style="list-style-type: none"> <li>• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures</li> <li>• Interdisciplinary learning activities (meetings, panels, group discussions)</li> </ul>	

- Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)
- CBL (Case-based learning)
- Independent learning

#### **Learning Methods Related with Professionalism**

- Interdisciplinary learning activities (meetings, panels, forums, group discussions)
- Critical situation discussions
- Reflection sessions
- Gamification, psychodrama
- Written visual text / readings, interpretations
- Student development file (portfolio) application
- On-the-job learning and assessment (MiniPET)

### **7. “STUDENT TRAINEE REPORT” FOR GENERAL SURGERY CLERKSHIP**

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training

**ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV GENERAL SURGERY CLERKSHIP  
STUDENT TRAINEE REPORT**

Name:.....Surname:.....

Student Number:

Data :...../...../.....

I- Basic Medicine Practices	Learning Level**	Number of Applications	Teaching Staff Approve (Date)
<b>A. Taking Anamnesis</b>			
To be able to take general and problematic stories	4	3*	
<b>B. Physical Examination (General and Problem-Oriented)</b>			
Head, neck, breast and abdomen examination	4	3*	
<b>C. Registration, Reporting and Notification</b>			
Writing prescriptions	4	5*	
Preparing a patient file	4		
Preparing epicrises	4	5	
<b>D. Laboratory Tests and Other Related Processes</b>			
Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions	4	3	
Filling the request form for laboratory examination	4	3	
To be able to interpret the results of screening and diagnostic purposes	3	5*	
<b>E. Interventional and Non-Interventional Applications</b>			
Digital rectal examination	3	5	
Enema	3	5	
To be able to apply nasogastric catheter	4	3	
Ability to throw and take superficial sutures	4	5	
<b>I-Total Basic Medicine Practice score (out of 5 point)</b>			
<b>II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)Total Professionalism score (out of 5 point)</b>			
<b>III- Clinical Problem Solving (out of 5)Given from the performance shown in Case Based Learning sessions)</b>			
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)</b>			

**Teaching Staff  
Date and Sign**

**Head of Department  
Date and Sign**

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

\*\*Learning Level\*\*

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.

\*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.

## 8. ASSESSMENT AND EVALUATION METHODS IN GENERAL SURGERY CLERKSHIP

ASSESSMENT AND EVALUATION METHODS IN GENERAL SURGERY CLERKSHIP
PRACTICAL-ORAL EXAMINATION
<ul style="list-style-type: none"> <li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (15%) <ul style="list-style-type: none"> <li>➤ <b>Basic Medicine Practices</b> (5 %).</li> <li>➤ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).</li> <li>➤ <b>Clinical Problem Solving</b> (Given from the performance shown in <b>Case Based Learning sessions</b>) ( % 5)</li> </ul> </li> <li>• Mini-clinical examination: It is done as multiple choice questions evaluating clinical information and case-based multiple choice questions evaluating clinical decision making. (10%)</li> <li>• Oral internship exam: Structured Oral Exam (structured fact-based questions evaluating clinical decision making and questions evaluating clinical information). Contribution to practice-oral exam at the end of internship (75%)</li> <li>• Students who score less than 60 points in total over 100 full points from the practice-oral exam, in which the trainee scorecard is also evaluated, are considered unsuccessful.</li> <li>• Students who fail the practice-oral exam, take the make-up exam.</li> <li>• Students who fail the practical-oral exam cannot take the Theoretical (written-multiple choice) exam.</li> </ul>
THEORETICAL EXAM
<ul style="list-style-type: none"> <li>• It consists of a total of 50 multiple choice questions.</li> <li>• Multiple choice questions evaluating clinical information and case-based multiple choice questions evaluating clinical decision making.</li> <li>• Students who score less than 60 points out of 100 in the theoretical (written-multiple choice) exam are considered unsuccessful.</li> <li>• Students who fail the theoretical (written-multiple choice) exam take the make-up exam of the internship.</li> </ul>
SUCCESS GRADE
<ul style="list-style-type: none"> <li>• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.</li> </ul>
MAKE-UP EXAM
<ul style="list-style-type: none"> <li>• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.</li> </ul>

## SESSION IV INTERNAL MEDICINE CLERKSHIP GUIDE

Code	TPT-502	Type	Compulsory/Elective
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<b>Period</b>	8 weeks	<b>ECTS</b>	12
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<b>INTERNAL MEDICINE CLERKSHIP- Prerequisite Courses</b>	
<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committee (s) in session 3

<b>REFERENCES (RESOURCE BOOK - OTHERS)</b>	
<b>1.</b>	Up To Date
<b>2.</b>	İç Hastalıkları Semiyoloji Kitabı- Senay Molvalılar-2016-ISBN9789758052837 Alfa Yayıncılık
<b>3.</b>	Harrison's Principles of Internal Medicine, 20e. J. Larry Jameson, Anthony S. Fauci, Dennis L. Kasper, Stephen L. Hauser, Dan L. Longo, Joseph Loscalzo. ISBN: 9781259644030.

<b>INTERNAL MEDICINE CLERKSHIP- RULES FOR STUDENTS</b>	
<b>1</b>	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
<b>3</b>	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
<b>4</b>	Students are obliged to keep the <b>“Ataturk University Faculty of Medicine Trainee Report”</b> which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
<b>5</b>	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
<b>6</b>	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in <b>“Atatürk University Faculty of Medicine Teaching and Exam Application Principles”</b> .
<b>7</b>	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at <a href="http://anket.atauni.edu.tr">“http://anket.atauni.edu.tr”</a> . The participation link to the survey will be sent to the students by the dean's management.

## 1. INTERNAL MEDICINE CLERKSHIP- OBJECTIVE OF THE PROGRAM

<b>OBJECTIVE OF THE INTERNAL MEDICINE CLERKSHIP PROGRAM</b>	
<b>7.</b>	To be able to make a preliminary diagnosis and diagnosis of important, common internal diseases by considering the learning objectives specified in the core training program at the end of the internal medicine internship.
<b>8.</b>	To be able to perform emergency treatment for internal diseases by defining emergencies (diabetic ketoacidosis, nonketotic hyperosmolar coma, adrenal insufficiency, hypercalcemia, hypocalcemia, oncological emergencies, hyperpotasemia, poisoning, kidney failure, shock, gastrointestinal bleeding)
<b>9.</b>	To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria.
<b>10.</b>	To be able to provide referral when necessary after emergency intervention and treatment.
<b>11.</b>	Comprehend the importance of establishing a good patient-physician and physician-physician communication and develop their skills.
<b>12.</b>	To gain the knowledge, skills and professionalism characteristics determined for the internship.

## 2. INTERNAL MEDICINE CLERKSHIP- LEARNING OUTCOMES



Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	4	3	4	3	4	4	3	3	3	4	3	4	4	3	3	3	3	4	4	4
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levels	4	4	4	4	4	4	4	4	4	4	4	4								

**Contribution levels:** -:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high

### 3. LEARNING OBJECTIVES OF THE INTERNAL MEDICINE CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Internal Medicine clerkship period

INTERNAL MEDICINE CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS			
1.	Abdominal distension	44.	Gynecomastia
2.	Dry mouth	45.	Constipation
3.	Wound in the mouth	46.	Cardiac murmurs
4.	Agitation	47.	Bleeding tendency
5.	Amenorrhea	48.	Abdominal pain
6.	Anemia	49.	Mass in the abdomen
7.	Anxiety	50.	Muscle weakness
8.	Anorectal pain	51.	Pruritis
9.	Anuria-oliguria	52.	Weight gain
10.	Apnea	53.	Weight loss
11.	Fever	54.	Cladication intermittant
12.	Dizziness	55.	Colic pains (renal, biliary, intestinal)
13.	Headache	56.	Convulsions
14.	Changes of consciousness	57.	Suspicious genitalia
15.	Throat pain	58.	Lymphadenopathy
16.	Mass on the neck	59.	Melena /hematemesis
17.	Nausea and vomiting	60.	Breast discharge
18.	Epistaxis	61.	Edema
19.	Growth - developmental retardation	62.	Cough
20.	Sexual function problems	63.	Parasthesia
21.	Palpitations	64.	Petechia, purpura, ecchymosis
22.	Diplopia	65.	Polydipsia
23.	Clubbing	66.	Polyuria
24.	Problems with balance / movement	67.	Pollacuria / Nocturia
25.	Skin and nail changes (dryness, discoloration, etc.)	68.	Puberty disorders (early - late)
26.	Dysphagia	69.	Hair loss
27.	Dyspepsia	70.	Jaundice
28.	Dyspnea	71.	Cyanosis
29.	Diarrhea	72.	Stings (bugs) / Bites
30.	Dysuria	73.	Splenomegaly
31.	Joint pain/swelling	74.	Sweating changes
32.	Movement restriction in joints	75.	Tetani
33.	Fecal incontinence	76.	Tremor
34.	Weakness	77.	Forgetfulness
35.	Hematocesia / Rectal bleeding	78.	Corrosive exposure
36.	Hematuria	79.	Death
37.	Hemoptysis	80.	Immunization
38.	Hepatomegaly	81.	Exercise and physical activity
39.	Hypertension	82.	Health in different stages of life (Pregnancy, birth, puerperium, newborn, childhood, adolescence, adulthood, menopause - andropause, old age, terminal period, death)

40.	Hypotension	83.	Prevention of chronic diseases
41.	Hirsutism	84.	Healthy diet and changing lifestyle
42.	Undesirable effects of drugs / drug interactions	85.	Elderly Health
43.	Loss of appetite		

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the “**Diseases / Clinical Problems**” listed below during the Internal Medicine clerkship period.

INTERNAL MEDICINE CLERKSHIP- <i>CLINICAL PROBLEM LEARNING LEVELS</i>	
LEARNING LEVELS	CLINICAL PROBLEM
<p>In the clinical problems mentioned in the column next to;</p> <p><b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b></p>	<ol style="list-style-type: none"> <li>1. Adrenocortical insufficiency</li> <li>2. Lung edema</li> <li>3. Acute kidney failure</li> <li>4. Acute glomerulonephritis</li> <li>5. Acute abdomen</li> <li>6. Allergic reaction</li> <li>7. Lower gastrointestinal bleeding</li> <li>8. Anaphylaxis</li> <li>9. Sudden death</li> <li>10. ARDS</li> <li>11. Acid-Base balance disorder</li> <li>12. Crush injury</li> <li>13. Dehydration</li> <li>14. Acute complications of diabetes</li> <li>15. HELLP</li> <li>16. Hypertensive attack</li> <li>17. Hepatic coma</li> <li>18. Hypoglycemia</li> <li>19. Drug side effects</li> <li>20. Vitamin K deficiency</li> <li>21. Cardiopulmonary arrest</li> <li>22. Cognitive disorders (delirium)</li> <li>23. Coma</li> <li>24. Oncological emergencies</li> <li>25. Sepsis</li> <li>26. Fluid electrolyte disturbances</li> <li>27. Shock</li> <li>28. Urticaria and angioedema</li> <li>29. Upper gastrointestinal bleeding</li> </ol>
<p>In the clinical problems mentioned in the column next to;</p> <p><b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert</b></p>	<ol style="list-style-type: none"> <li>30. Familial Mediterranean fever</li> <li>31. Achalasia</li> <li>32. Lung cancer</li> <li>33. Acute pancreatitis</li> <li>34. Amyloidosis</li> <li>35. Aplastic anemia</li> <li>36. Avitaminosis</li> <li>37. Head and neck cancers</li> <li>38. Behçet's disease</li> <li>39. Cystic diseases of the kidney</li> <li>40. Cushing's disease</li> <li>41. Skin tumors</li> <li>42. Diverticular disease</li> <li>43. Diabetes insipidus</li> <li>44. Pheochromocytoma</li> <li>45. Cancers of the gastrointestinal tract</li> <li>46. Gastrointestinal tract motility disorders</li> <li>47. Gout disease</li> <li>48. Hemoglobinopathies</li> </ol>

	49. Hemochromatosis 50. Hemolytic anemias 51. Hemolytic uremic syndrome-Thrombotic thrombocytopenic purpura 52. Hepatosteatorrhea 53. Hyperparathyroidism 54. Hyperthyroidism 55. Pituitary disorders 56. Hypoparathyroidism 57. Irritable bowel disease 58. Intestinal polyposis 59. Inflammatory bowel disease 60. Blood and blood products transfusion complications 61. Bleeding diathesis 62. Liver Cirrhosis 63. Bone tumors 64. Cyst hydatid disease 65. Cholecystitis, Cholelithiasis 66. Colorectal cancers 67. Congenital adrenal hyperplasia 68. Chronic glomerulonephritis 69. Chronic hepatitis 70. Chronic lung disease 71. Chronic pancreatitis 72. Lymphoproliferative diseases 73. Leukemia 74. Malabsorption 75. Bladder cancer 76. Myeloproliferative diseases 77. Osteoporosis 78. Ovarian cancer 79. Paraneoplastic syndromes 80. Peripheral neuropathy 81. Peritonitis 82. Polycystic ovary syndrome 83. Polymyositis and Dermatomyositis 84. Portal hypertension 85. Prostate cancer 86. Reynaud's disease 87. Rheumatoid arthritis 88. Secondary hypertension 89. Cervical cancer 90. Systemic lupus erythematosus 91. Sjögren's syndrome 92. Scleroderma 93. Spondyloarthropathies 94. Testicular tumor 95. Thyroid cancer 96. Thyroiditis 97. Tubulointerstitial diseases 98. Inappropriate ADH 99. Vasculitis 100. Wilson disease 101. Disseminated intravascular coagulation
In the clinical problems mentioned in the column next to;  <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b>	1. Adrenocortical insufficiency 3. Acute kidney failure 4. Acute glomerulonephritis 102. Acute hepatitis 5. Acute abdomen 103. Acute rheumatic fever 6. Allergic reaction

	7. Lower gastrointestinal bleeding 9. Sudden death 104. Arthritis 105. Assit 12. Crush injury 106. Dyslipidemia 14. Acute complications of diabetes 15. Eclampsia / Preeclampsia / HELLP 107. Gestational diabetes 108. Henoch schönlein purpura 22. Cognitive disorders (delirium) 109. Chronic kidney failure 110. Metabolic syndrome 111. Nephrotic syndrome 112. Obesity 113. Polysitemia 25. Sepsis 26. Fluid electrolyte disorders 27. Shock 29. Upper gastrointestinal system bleeding 114. Foreign body aspiration
In the clinical problems mentioned in the column next to;  <b>Be able to Diagnose and Treat (DT)</b>	115. Decubitis ulcers 13. Dehydration 116. Iron deficiency anemia 117. Diabetes mellitus 118. Essential hypertension 119. Gastroenteritis 120. Gastroesophageal reflux 121. Goiter 122. Hemorrhoids 123. Hypothyroidism 19. Drug side effects 20. Vitamin K deficiency 70. Chronic lung disease 124. Malnutrition 125. Megaloblastic anemia 126. Peptic disease 127. Urinary system infections 28. Urticaria and angioedema 128. Upper respiratory tract infections
In the clinical problems mentioned in the column next to;  <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	32. Lung cancer 3. Acute kidney failure 102. Acute hepatitis 103. Acute rheumatic fever 34. Amyloidosis 8. Anaphylaxis 115. Decubitis ulcers 37. Head and neck cancers 12. Crush injury 13. Dehydration 116. Iron deficiency anemia 41. Skin tumors 106. Dyslipidemia 117. Diabetes mellitus 118. Essential hypertension 119. Gastroenteritis 45. Cancers of the gastrointestinal tract 120. Gastroesophageal reflux 121. Goiter 47. Gout disease 48. Hemoglobinopathies

	122. Hemorrhoids 19. Drug side effects 57. Irritable bowel disease 20. Vitamin K deficiency 62. Liver cirrhosis 63. Cyst hydatid disease 22. Cognitive disorders 66. Colorectal cancers 109. Chronic kidney failure 70. Chronic lung disease 75. Bladder cancer 110. Metabolic syndrome 112. Obesity 77. Osteoporosis 126. Peptic disease 85. Prostate cancer 89. Cervical cancer 26. Fluid electrolyte balance disorders 94. Testicular tumor 95. Thyroid cancer 127. Urinary system infection 128. Upper respiratory infection
In the clinical problems mentioned in the column next to; <b>be able to follow up (F) in necessary cases</b>	115. Decubitus ulcers 106. Dyslipidemia 117. Diabetes Mellitus 118. Essential hypertension 120. Gastroesophageal reflux 107. Gestational diabetes 121. Goiter 52. Hepatosteatorrhea 123. Hypothyroidism 19. Drug side effects 57. Irritable bowel syndrome 22. Cognitive disorders 109. Chronic kidney failure 70. Chronic obstructive pulmonary disease 124. Malnutrition 125. Megaloblastic anemias 110. Metabolic syndrome 112. Obesity 126. Peptic injury 82. Polycystic ovary syndrome 88. Secondary hypertension

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Internal Medicine clerkship period.

INTERNAL MEDICINE CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	BASIC MEDICINE APPLICATIONS
Skills specified in the adjacent column;  <b>Knows</b> how to practice and <b>explains</b> the results to patients and / or relatives  <b>(LEARNING LEVEL 1)</b>	1. Airway" application 2. Head and neck examination 3. Consciousness assessment and mental state examination 4. Digital rectal examination 5. To be able to read and evaluate direct radiographs 6. ECG capturing and evaluation

	7. To be able to intubation 8. Ability to take biological sample from the patient 9. IM / IV / SC / ID injection 10. Ability to insert urine catheter 11. To provide advanced life support 12. Ability to wash the stomach 13. To be able to make a minimental examination 14. To be able to apply nasogastric catheter 15. Neurological examination 16. Peripheral smear and evaluation 17. To be able to apply PPD test 18. Ability to organize reporting and notification 19. To be able to give health education to the society 20. To be able to fight infectious diseases in the society
Skills specified in the adjacent column;  <b>In an emergency, performs the application in accordance with the guide / instruction (LEARNING LEVEL 2)</b>	21. Rational drug use 22. Anthropometric measurements 23. Illumination and getting consent 24. Abdominal examination 25. Being able to apply the principles of working with biological material 26. To be able to provide decontamination, disinfection, sterilization, antisepsis 27. Skin examination 28. Hand washing 29. To prepare epicrisis 30. Evaluation of general condition and vital signs 31. To be able to take general and problematic stories 32. Glaskow coma scale evaluation 33. To be able to follow blood sugar with glucometer 34. To prepare patient file 35. To be able to refer patients appropriately 36. To ensure that the patient is properly transported 37. To be able to measure blood pressure 38. To measure and evaluate bleeding time 39. Capillary blood sample collection 40. Cardiovascular system examination 41. To be able to fill the request form for laboratory examination 42. To be able to take the laboratory sample under appropriate conditions and deliver it to the laboratory. 43. Breast and axillary examination 44. To be able to evaluate the mental state 45. To be able to apply oxygen and nebul - inhaler treatment 46. To be able to issue a death certificate 47. To be able to issue a recipe 48. Ability to provide proper protection and transportation for the cold chain 49. Respiratory system examination 50. To be able to analyze and evaluate complete urine 51. To be able to prepare refusal of treatment document 52. Providing basic life support

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the “Behavioral, Social and Humanities” listed below during the Internal Medicine clerkship period

INTERNAL MEDICINE CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	2. Addiction

	<ul style="list-style-type: none"> <li>a. Alcohol</li> <li>b. Tobacco</li> <li>c. Drug</li> </ul>
	<ul style="list-style-type: none"> <li>5. Environment and health interaction <ul style="list-style-type: none"> <li>a. Healthy nutrition and food policies</li> <li>b. Space and health</li> <li>c. Urbanization</li> </ul> </li> <li>D. Environmental diseases <ul style="list-style-type: none"> <li>to. Exposure to harmful environmental factors (air pollution, water pollution, chemicals, biocidal products, endocrine disrupter, wastes, etc.)</li> </ul> </li> <li>14. Chronic / Noncommunicable Diseases <ul style="list-style-type: none"> <li>a. Monitoring and prevention of risk factors</li> <li>b. Management</li> <li>c. Multimorbidity</li> <li>d. The burden of the caregiver and the giver to.</li> <li>e. Indicators related to chronic diseases and inequalities arising from their distribution in society</li> <li>f. Psycho-social aspects of symptoms and conditions such as chronic pain, dementia, sleep problems and depression</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>19. Priority / disadvantaged groups <ul style="list-style-type: none"> <li>c. Elders</li> </ul> </li> <li>25. Health conditions <ul style="list-style-type: none"> <li>a. Nutrition</li> <li>b. Physical, mental activity and exercise</li> <li>c. Sedentary life</li> <li>l. Immunization</li> </ul> </li> <li>35. Aging <ul style="list-style-type: none"> <li>a. The burden of the caregiver and the caregiver</li> <li>b. Elderly neglect and abuse</li> <li>c. Multi-morbidity and polypharmacy</li> <li>d. Improving elderly health</li> <li>e. Maintaining functionality</li> <li>f. Fragility</li> <li>g. Loneliness and social support needs</li> <li>h. Autonomy</li> </ul> </li> </ul>

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Internal Medicine clerkship

## ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE INTERNAL MEDICINE CLERKSHIP

1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.
2. Rights-based health approach
3. Communication skills, communication in difficult situations, interpersonal relations and teamwork
4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.
5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.
6. Patient rights, physician responsibility, patient-physician relationship.
7. Problems and dilemmas for professionalism / ethics in health processes.
8. Legal problems in health processes.
9. Research and publication ethics.
10. Determinants of health, inequality in health, social gender and health.
11. Health systems, health policies.
12. Health economics and management.
13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.
14. Work culture in coordination with other members of the team and disciplines
15. Being able to share their knowledge and professional experience with other members of the team,

### 4. INTERNAL MEDICINE CLERKSHIP - WEEKLY COURSE PROGRAM

SESSION IV INTERNAL MEDICINE CLERKSHIP- WEEKLY COURSE PROGRAM			
Days	Subject of The Lesson	Lesson Time	Teaching Staff
<b>I. Week</b>			
<b>Monday</b>	InformationAboutInternshipandEthicaland ProfessionalValuesin Clinical Practice	08:00-09.00	Head of Department
	Taking an anamnesis	09.30-10.00	F. ERDEM
	Clinical Practice **	10.30-12.00	
	Diabetes Mellitus and complications-1(DT-P-F)	13.30-14.30	I. ÇAPOĞLU
	Applied Skills ***	14.30-17.00	
<b>Tuesday</b>	Approach to GIS Bleeding Patient (Pre-D-D)	08:00-09.00	Fatih ALBAYRAK
	General Status Examination	09:30-10.00	Ömer TOPDAĞI
	Clinical Practice	10.30-12.00	
	Abnormalities in the blood count (Pre-D)	13.30-14.30	F. ERDEM
	Independent Working Hour	14.30-17.00	
<b>Wednesday</b>	Diabetes Mellitus and complications-2 (DT-P-F)	08:00-09.00	I. ÇAPOĞLU
	Approach to the patient with anemia and differential diagnosis of hypoproliferative anemias (+ Aplastic anemia) (Pre-D)	09.30-10.30	Gülden SINCAN
	Clinical Practice	10.30-12.00	
	Elective / Freelance Work	13.30-17.00	
<b>Thursday</b>	Differential Diagnosis of Acquired Immune Hemolytic Anemias (Pre-D)	08.00-09.00	Gülden SINCAN
	Abdominal Examination	09.30-10.00	B. ALBAYRAK
	Clinical Practice	10.30-12.00	
	Approach to the Patient with Ascites (Pre-D-D)	13.30-14.30	F. ALBAYRAK
	Independent Working Hour	14.30-17.00	
<b>Friday</b>	Liver Cirrhosis – 1 (Pre-D-P)	08:00-09.00	ÖMER YILMAZ
	Gastrointestinal System Semiology	09.30-10.00	B. ALBAYRAK



	Clinical Practice	10.30-12.00	
	Differential diagnoses of Acquired Non-Immune Hemolytic Anemias (Pre-D)	13.30-14.30	Ilhami KIKI
	Applied Skills	14.30-16.00	
	<b>II. Week</b>		
<b>Monday</b>	Differential diagnosis of macrocytic anemias and Megaloblastic Anemias (DT-P-F)	08:00-09.00	Fuat ERDEM
	Head and Neck Examination	09:30-10:00	Gülden SINCAN
	Clinical Practice	10.30-12.00	
	Liver Cirrhosis – 2 (Pre-D-P)	13.30-14.30	ÖMER YILMAZ
	Applied Skills	14.30-16.00	
	Independent Working Hour	16.00-17.00	
<b>Tuesday</b>	Functional Gastrointestinal System Diseases (Pre-D)	08:00-9.00	Hakan DURSUN
	Case-Based Learning (CBL) Session 1	09:30-10.30	
	Clinical Practice	10.30-12.00	
	Iron deficiency anemia and differential diagnosis of Microcytic Anemias (Pre-D-P)	13.30-14.30	Gülden SINCAN
	Applied Skills	14.30-16.00	
	Independent Working Hour	16.00-17.00	
<b>Wednesday</b>	Approach to the patient with lymphadenopathy and Lymphoproliferative Diseases (Pre-D)	08:00-09.00	Ilhami KIKI
	Peptic Ulcer Disease (DT-P-F)	09:30-10.30	Hakan DURSUN
	Clinical Practice	10:30-12:00	
	Elective / Freelance Work	13.30-17.00	
<b>Thursday</b>	Gastroesophageal Reflux Disease (DT-P-F)	08.00-09.00	Hakan DURSUN
	Case-Based Learning (CBL) Session 2	09.30-10:30	
	Clinical Practice	10:30-12.00	
	Approach to the patient with splenomegaly and Chronic Leukemias (Pre-D)	13.30-14.30	Fuat ERDEM
	Independent Working Hour	14.30-17.00	
<b>Friday</b>	Approach to the patient with splenomegaly and Myeloproliferative Disease (Pre-D)	08:00-09.00	Ilhami KIKI
	Cardiac Semiology	09.30-10.00	Arzu BİLEN
	Clinical Practice	10.30-12.00	
	Malabsorption Syndromes - 1 (Pre-D-D)	13.30-14.30	Bülent ALBAYRAK
	Applied Skills	14.30-16.00	
	Independent Working Hour	16.00-17.00	
	<b>III. Week</b>		
<b>Monday</b>	Malabsorption Syndromes – 2 (Pre-D-D)	08:00-09.00	Bülent ALBAYRAK
	Respiratory System Semiology	09.30-10.00	Ömer TOPDAĞI
	Clinical Practice	10.30-12.00	
	Approach to bleeding diathesis and thrombosis (Pre-D)	13.30-14.30	Ilhami KIKI
	Applied Skills	14.30-16.00	
	Independent Working Hour	16.00-17.00	
<b>Tuesday</b>	Inflammatory Bowel Diseases (Pre-D-F)	08:00-09.00	Fatih ALBAYRAK
	Case-Based Learning (CBL) Session 3	09.30-10.30	
	Clinical Practice	10.00-10.30	
	Differential diagnosis of ITP (Pre-D)	13.30-14.30	Fuat ERDEM
	Independent Working Hour	14.30-17.00	
<b>Wednesday</b>	Pancreatic Diseases – 1 (Pre-D-D)	08:00-09.00	ÖMER YILMAZ
	Acute Leukemias (Pre-D)	09:30-10:30	Gülden SINCAN
	Clinical Practice	10:30-12:00	
	Elective / Freelance Work	13.30-17.00	
<b>Thursday</b>	Blood and Blood Product transfusion and reactions (Pre-D)	08.00-09.00	Ilhami KIKI
	Case-Based Learning (CBL) Session 1	09.30-10:30	
	Clinical Practice	10.30-12.00	
	Pancreatic Diseases – 2 (Pre-D-D)	13.30-14.30	ÖMER YILMAZ
	Independent Working Hour	14.30-17.00	
<b>Friday</b>	Tumors of the Gastrointestinal Tract (Pre-D-P)	08:00-09.00	Fatih ALBAYRAK

	Endocrine System Semiology	09.30-10.00	Arzu BİLEN
	Clinical Practice	10.30-12.00	
	Plasma Cell Diseases (+ Amyloidosis) (Pre-D)	13.30-14.30	Gülden SINCAN
	Applied Skills	14.30-16.00	
	Independent Working Hour	16.00-17.00	
<b>Monday</b>	<b>IV. Week</b>		
	Chronic Hepatitis (D-P)	08:00-09.00	Hakan DURSUN
	Urinary System Semiology	09.30-10.00	Can SEVİNÇ
	Clinical Practice	10.30-12.00	
	Dyslipidemia (D-P-F)	13.30-14.30	Güngör AKÇAY
	Applied Skills	14.30-16.00	
	Independent Working Hour	16.00-17.00	
<b>Tuesday</b>	Diabetes Insipitus and Inappropriate ADH Syndrome (Pre-D)	08:00-09.00	Ilyas ÇAPOĞLU
	Case-Based Learning (CBL) Session 2	09.30-10.30	
	Clinical Practice	10.30-12.00	
	Diagnostic Methods Used in Nephrology	13.30-14.30	Can SEVİNÇ
	Independent Working Hour	14.30-17.00	
<b>Wednesday</b>	Endocrine Hypertension (Pre-D)	08:00-09.00	G. AKÇAY
	Acute Kidney Injury (E-D-P-F)	09:30-10:00	Can SEVİNÇ
	Clinical Practice	10.30-12.00	
	Elective / Freelance Work	13.30-17.00	
<b>Thursday</b>	Calcium Metabolism Disorders - 1 (E-D-P)	08.00-09.00	Habib BİLEN
	Case-Based Learning (CBL) Session 3	09.30-10.30	
	Clinical Practice	10:30-12.00	
	Chronic Kidney Disease (E-D-P-F)	13.30-14.30	Can SEVİNÇ
	Independent Working Hour	14.30-17.00	
<b>Friday</b>	Calcium Metabolism Disorders - 2 (E-D-P)	08:00-09.00	Habib BİLEN
	Locomotor System Semiology	09.30-10.00	Özlem KUDAŞ
	Clinical Practice	10.30-12.00	
	Approach to Proteinuria -1 (E-Pre-D-D-P)	13.30-14.30	Can SEVİNÇ
	Applied Skills	14.30-16.00	
	Independent Working Hour	16.00-17.00	
<b>Monday</b>	<b>V. Week</b>		
	Approach to Proteinuria -2 (E-Pre-D-D-P)	08:00-09.00	Can SEVİNÇ
	Hematopoietic System Semiology	09.30-10.00	Gülden SINCAN
	Clinical Practice	10.30-12.00	
	Hyperthyroidism (Pre-D) + Hypothyroidism (DT-F)	13.30-14.30	Ilyas ÇAPOĞLU
	Applied Skills	14.30-16.00	
	Independent Working Hour	16.00-17.00	
<b>Tuesday</b>	MEN VE OPS (Pre-D)	08:00-09.00	Güngör AKÇAY
	Case-Based Learning (CBL) Session 1	09.30-10:30	
	Clinical Practice	10:30-12:00	
	Primary Hypertension and Emergency Hypertension (Pre-D-F)	13.30-14.30	Abdullah UYANIK
	Independent Working Hour	14.30-17.00	
<b>Wednesday</b>	PCOS and Hirsutism (Pre-D)	08:00-09.00	Habib BİLEN
	Renovascular Hypertension (Pre-D-F)	09:30-10:30	A. UYANIK
	Clinical Practice	10:30-12:00	
	Elective / Freelance Work	13.30-17.00	
<b>Thursday</b>	Pituitary disorders (Pre-D)	08.00-09.00	Habib BİLEN
	Case-Based Learning (CBL) Session 2	09.30-10:30	
	Clinical Practice	10.30-12.00	
	Crush Syndrome (E-D-P)	13.30-14.30	A. UYANIK
<b>Friday</b>	Independent Working Hour	14.30-17.00	
	Tubulointerstitial Diseases (Pre-D)	08:00-09.00	Erdem ÇANKAYA
	Geriatric Semiology	09.30-10.00	Pınar TOSUN TAŞAR
	Clinical Practice	10.30-12.00	
	Obesity and Metabolic Syndrome (D-P-F)	13.30-14.30	Güngör AKÇAY
<b>Monday</b>	Applied Skills	14.30-16.00	
	Independent Working Hour	16.00-17.00	
	<b>VI. Week</b>		
	Fluid Electrolyte Balance Disorders - 1 (D-E-P)	08:00-09.00	Erdem ÇANKAYA
	Semiology	09.30-10.00	

	Clinical Practice	10.30-12.00	
	Goiter and Thyroid Cancers (Pre-D-P)	13.30-14.30	Güngör AKÇAY
	Applied Skills	14.30-16.00	
	Independent Working Hour	16.00-17.00	
Tuesday	Alcohol use and related diseases	08:00-09.00	Ömer TOPDAĞI
	Case-Based Learning (CBL) Session 3	09:30-10:30	
	Clinical Practice	10.30-12.00	
	Fluid Electrolyte Balance Disorders - 2 (D-E-P)	13.30-14.30	Erdem ÇANKAYA
Wednesday	Independent Working Hour	14.30-16.00	
	Epidemiology of Cancer	08:00-09.00	Salim Başol TEKİN
	Diagnostic Methods in Oncology	09:30-10:00	Mehmet BİLİCİ
	Clinical Practice	10:30-12:00	
Thursday	Elective / Freelance Work	13:30-17:00	
	Screening Methods of Risk Factors in Cancer and Prevention	08.00-09.00	Mehmet BİLİCİ
	Case-Based Learning (CBL) Session 1	09.30-10:30	
	Clinical Practice	10:30-12.00	
Friday	Cognitive Disorders in the Elderly (D)	13.30-14.30	Pınar TOSUN TAŞAR
	Independent Working Hour	14.30-17.00	
	Metastatic Tumors Without Primer	08:00-09.00	Salim Başol TEKİN
	Semiology	09.30-10.00	
Monday	Clinical Practice	10.30-12.00	
	Malnutrition in the Elderly (D)	13.30-14.30	Pınar TOSUN TAŞAR
	Applied Skills	14.30-16.00	
	Independent Working Hour	16.00-17.00	
Tuesday	Metastatic Tumors Without Primer	08:00-09.00	Salim Başol TEKİN
	Semiology	09.30-10.00	
	Clinical Practice	10.30-12.00	
	Malnutrition in the Elderly (D)	13.30-14.30	Pınar TOSUN TAŞAR
Wednesday	Applied Skills	14.30-16.00	
	Independent Working Hour	16.00-17.00	
	Screening Methods of Risk Factors in Cancer and Prevention	08.00-09.00	Mehmet BİLİCİ
	Case-Based Learning (CBL) Session 1	09.30-10:30	
Thursday	Clinical Practice	10:30-12.00	
	Cognitive Disorders in the Elderly (D)	13.30-14.30	Pınar TOSUN TAŞAR
	Independent Working Hour	14.30-17.00	
	Metastatic Tumors Without Primer	08:00-09.00	Salim Başol TEKİN
Friday	Semiology	09.30-10.00	
	Clinical Practice	10.30-12.00	
	Malnutrition in the Elderly (D)	13.30-14.30	Pınar TOSUN TAŞAR
	Applied Skills	14.30-16.00	
Monday	Independent Working Hour	16.00-17.00	
	Basic Principles of Chemotherapy	08:00-09.00	Mehmet BİLİCİ
	Semiology	09.30-10.00	
	Clinical Practice	10.30-12.00	
Tuesday	Polypharmacy and Drug Side Effects in the Elderly (D)	13.30-14.30	Pınar TOSUN TAŞAR
	Applied Skills	14.30-16.00	
	Independent Working Hour	16.00-17.00	
	Vaccination in the Geriatric Population (D)	08:00-09.00	Pınar TOSUN TAŞAR
Wednesday	Case-Based Learning (CBL) Session 2	09:30-10:30	
	Clinical Practice	10.30-12.00	
	Nicotine use and related diseases	13.30-14.30	Arzu BİLEN
	Independent Working Hour	14.30-17.00	
Thursday	Urinary and Fecal Incontinence in the Elderly (D)	08:00-09.00	Pınar TOSUN TAŞAR
	Targeted Treatment in Oncology	09:30-10:00	Salim Başol TEKİN
	Clinical Practice	10:30-12:00	
	Elective / Freelance Work	13:30-17:00	
Friday	Familial Mediterranean Fever (Pre-D)	08.00-09.00	Özlem KUDAŞ
	Case-Based Learning (CBL) Session 3	09.30-10:30	
	Clinical Practice	10:30-12.00	
	Oncological Emergencies (E)	13.30-14.30	Mehmet BİLİCİ
Monday	Independent Working Hour	14.30-17.00	
	Granulomatous Diseases	08:00-09.00	Arzu BİLEN
	Semiology	09.30-10.00	
	Clinical Practice	10.30-12.00	
Tuesday	Paraneoplastic Syndromes (Pre-D)	13.30-14.30	Mehmet BİLİCİ
	Applied Skills	14.30-16.00	
	Independent Working Hour	16.00-17.00	
	Palliative Treatment in Oncology	08:00-09.00	Salim Başol TEKİN
Wednesday	Semiology	10.00-10.30	
	Clinical Practice	10.30-12.00	
	General approach to vasculitis-2	13.30-14.30	Özlem KUDAŞ
	Independent Working Hour	16.00-17.00	
Thursday	Cancer Immunology	08:00-09.00	Salim Başol TEKİN
	Semiology	09.30-10.00	
	Clinical Practice	10.30-12.00	
	General approach to vasculitis-2	13.30-14.30	Özlem KUDAŞ
Friday	Applied Skills	14.30-16.00	
	Independent Working Hour	16.00-17.00	
	Palliative Treatment in Oncology	08:00-09.00	Salim Başol TEKİN
	Semiology	10.00-10.30	
Monday	Clinical Practice	10.30-12.00	
	General approach to vasculitis-2	13.30-14.30	Özlem KUDAŞ
	Independent Working Hour	16.00-17.00	
	Cancer Immunology	08:00-09.00	Salim Başol TEKİN
Tuesday	Semiology	09.30-10.00	
	Clinical Practice	10.30-12.00	
	General approach to vasculitis-2	13.30-14.30	Özlem KUDAŞ
	Independent Working Hour	16.00-17.00	

	Independent Working Hour	14.30-17.00	
<b>Wednesday</b>	Anaphylaxis (Pre-D)	08:00-09.00	Ömer TOPDAĞI
	Common Cancers	09.30-10.30	Salim Başol TEKİN
	Clinical Practice	10.30-12.00	
	Anamnesis (Exam Anamnesis)	13.30-14.30	
	Applied Skills	14.30-16.00	
	Independent Working Hour	16.00-17.00	
<b>Thursday</b>	Oral (Practical) Exam		
<b>Friday</b>	Written (Theoretical) Exam		

\* Trainee students will be divided into groups at the beginning of the internship and will receive training in the relevant clinics alternately in the presence of a responsible lecturer and assistant physician.

\*\* Trainee students will be divided into groups at the beginning of the internship and will receive training in the relevant clinics alternately in the presence of a responsible lecturer and assistant physician.

\*\*\* Trainee students will be divided into groups at the beginning of the internship and will receive training in the relevant clinics alternately in the presence of a responsible lecturer and assistant physician.

## 5. MATCHING INTERNAL MEDICINE CLERKSHIP COURSES WITH LEARNING OBJECTIVES

MATCHING INTERNAL MEDICINE CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptoms / Conditions	Clinical problem	Basic Medical Practices	Behavioral, Social and Humanities
INT 001	Taking an anamnesis	Dr. F. Erdem	1		1-85	1-128	1-52	5a, 14abc, 25abc
INT 002	Diabetes Mellitus and complications-	Dr. I. Çapoğlu	2		2, 17, 25, 34, 53, 63, 65, 66, 81, 84	18, 106, 117	31, 33	5a, 14abc, 25abc
INT 003	Approach to GIS Bleeding Patient	Dr.F Albayrak	1		6, 21, 35, 48, 49, 59	7, 27, 29, 45, 66, 116, 122	4, 24, 30	-
INT 004	General Status Inspection	Dr.Ö. Topdağı	1		1, 2, 3, 11, 25, 31, 32, 37, 38, 39, 40, 41, 43, 45, 46, 51, 62, 83, 84, 85	2, 5, 9, 10, 13, 15, 16, 17, 26	1, 2, 3, 5, 6, 7, 9, 10, 30, 31, 33, 34, 37, 41, 47	5a, 14abc, 25abc
INT 005	Abnormalities in the blood count	Dr. F. Erdem	1		6, 11, 12, 13, 18, 21, 34, 38, 43, 47, 64	35, 50, 61, 73, 116	16, 38	5e
INT 006	Approach to the patient with anemia and differential diagnosis of hypoproliferative anemias (+ Aplastic anemia)	Dr. G.Sincan	1		6, 11, 12, 13, 18, 21, 34,38, 43, 47, 64	35, 50, 60, 61, 116	16, 38	5e
INT 007	Differential Diagnosis of Acquired Immune Hemolytic Anemias	Dr. G.Sincan	1		6, 21, 34, 70, 73	48, 50, 61	24, 31	-
INT 008	Abdominal Examination	Dr. B. Albayrak	1		1, 8, 9, 17,26, 27, 29, 30,33, 35	5, 29, 30, 33, 42, 45, 59, 62, 65, 81, 112	4, 10, 12, 24	-
INT 009	Approach to the Patient with Ascites	Dr. F. Albayrak	1		1, 6, 14, 23, 25, 27, 34,40, 43, 44, 47,50,	29, 45, 62, 81, 128, 109, 111	15, 24	15, 24

					59, 70, 73, 76			
INT 010	Liver Cirrhosis	Dr. Ö. Yılmaz	2		1,6,14, 23,25, 27, 34,40, 43, 44, 47, 50, 59, 70, 73, 76	20, 29, 61, 62, 81, 100	15, 24	15, 24
INT 011	Differential diagnoses of Acquired Non-Immune Hemolytic Anemias	Dr. I. Kiki	1		6, 21, 34, 70, 73	48, 61	24, 31	-
INT 012	Differential diagnosis of macrocytic anemias and Megaloblastic Anemias	Dr. F. Erdem	1		3, 6, 12, 13, 21, 25, 34, 43, 69, 77	19, 35, 61, 70, 80, 123, 125	16	5a
INT 013	Head and Neck Examination	Dr. G.Sincan	1		3, 15, 16, 18	8, 13, 28, 37, 41, 95, 96, 121, 128	1, 2	-
INT 014	Functional Gastrointestinal System Diseases	Dr. H.Dursun	1		1, 17, 26, 27, 29, 34, 43, 45, 48, 84	5, 31, 42, 45, 46, 57, 59, 66, 74, 92	4, 24, 30	-
INT 015	Iron deficiency anemia and differential diagnosis of Microcytic Anemias	Dr. G.Sincan	1		3, 6, 12, 21, 25, 26, 28, 34, 43, 69	29, 45, 46, 60, 61, 116, 122	16, 31	5a
INT 016	Approach to the patient with lymphadenopathy and Lymphoproliferative Diseases	Dr. I. Kiki			6, 11, 21, 34, 38, 43, 47, 58, 64, 73	61, 72	16, 30	-
INT 017	Peptic Ulcer Disease	Dr. H.Dursun	1		1, 17, 27, 48, 55	29, 33, 45, 62, 116, 124	24	-
INT 018	Gastroesophageal Reflux Disease	Dr. H.Dursun	1		1, 17, 27, 48, 55	19, 29, 45, 46, 120, 126	26, 31	-
INT 019	Approach to the patient with splenomegaly and Chronic Leukemias	Dr. F. Erdem	1		6, 11, 21, 34, 38, 43, 47,58, 64, 73	24, 50, 61, 73, 124	16, 30	-
INT 020	Approach to the patient with splenomegaly and Myeloproliferative Disease	Dr. I. Kiki	1		13, 22, 35,47, 73	29, 47, 61, 73	24	14abc
INT 021	Cardiac Semiology	Dr. A. Bilen	1		21, 28, 34, 46, 71, 79	2, 3, 9, 16, 21, 26, 103, 105, 106, 110	6, 11, 37, 40, 52	14abc
INT 022	Malabsorption Syndromes	Dr. B. Albayrak	2		1, 3, 6, 11,17, 27, 29, 34,35, 43, 48, 49,53, 59	11, 13, 20, 26, 36, 46, 59, 74, 105, 124	4, 24, 31	14abc
INT 023	Respiratory System Semiology	Dr. Ö. Topdağı	1		21, 28, 34, 46, 71, 79	2, 8, 10, 32, 70, 128	1, 5, 7, 11, 45, 49, 52	14abc
INT 024	Approach to bleeding diathesis and thrombosis	Dr. I. Kiki	1		6, 21, 31, 32, 34, 42, 47	25, 51, 61, 62, 76, 90, 99, 101, 109, 111, 116,	5, 16, 27, 38	14abc
INT 025	Inflammatory Bowel Diseases	Dr. F. Albayrak	1		1, 3, 6, 11,17, 27, 29, 34,35, 43, 48, 49,53, 59	7, 11, 13, 20, 25, 26, 36, 61, 74, 104, 116, 124	4, 24, 31	14abc
INT 026	Differential diagnosis of ITP	Dr. F. Erdem	1		6, 11, 21, 34, 38, 43, 47,58, 64, 73	19, 25, 29, 61, 90, 101	16, 30	14abc

INT 027	Pancreatic Diseases	Dr. Ö. Yılmaz	1		1, 11, 17, 43, 48, 55	3, 5, 9, 10, 11, 13, 25, 26, 27, 29, 71, 74, 124	24	-
INT 028	Acute Leukemias	Dr. G.Sincan	1		6, 11, 21, 34, 38, 43, 47, 58, 64, 73	61, 73	16, 30	5e
INT 029	Blood and blood product transfusion complications	Dr. I. Kiki	1		11, 17, 21, 42, 51	2, 6, 8, 9, 10, 11, 16, 23, 26, 27, 28, 50, 61	9, 30	-
INT 030	Tumors of the Gastrointestinal Tract	Dr. F. Albayrak	1		1, 6, 17, 23, 26, 27, 34, 35, 43, 48, 49, 53, 59	5, 7, 29, 45, 66, 79, 116, 124	4, 12, 24	5e, 14abc
INT 031	Endocrine System Semiology	Dr. A. Bilen	1		2, 5, 12, 13, 14, 21, 28, 34, 40, 41, 42, 43, 44, 52, 53, 60, 67, 77, 82, 95, 96, 98, 112, 117, 123, 81, 83	1, 14, 18, 40, 43, 44, 53, 54, 55, 56, 67, 77, 82, 95, 96, 98, 112, 117, 123	27, 30, 35, 37	5ae, 14abc, 25abc
INT 032	Plasma Cell Disorders	Dr. G.Sincan	1		6, 11, 21, 34, 38, 43, 47, 58, 64, 73	3, 11, 24, 25, 26, 61, 73, 109	16, 30	-
INT 033	Chronic Hepatitis	H. DURSUN	1		25, 73	20, 23, 29, 61, 62, 69,	24, 30, 31, 32, 34, 35	14abc, 25i
INT 034	Urinary System Semiology	C. SEVINÇ	1		9, 17, 19, 20, 23, 25, 34, 36, 39, 40, 43, 47, 54, 65, 66, 67, 83, 84	3, 4, 12, 13, 19, 26, 39, 68, 97, 109, 111, 118, 127	10, 34, 37, 47, 50	5a, 14a, 25a, 25c
INT 035	Dyslipidemia	G. Akçay	1		81, 83, 84	14, 19, 106, 111, 112	19, 31, 34, 41, 47	4ae, 14a
INT 036	Diabetes Insipitus and Inappropriate ADH Syndrome	I.ÇAPOĞLU	1		9, 66	11, 13, 26, 43	10, 21, 41, 42	1ae, 14abc, 25abl
INT 037	Diagnostic Methods Used in Nephrology	C. SEVINÇ	1		9, 19, 20, 30, 36, 39, 40, 42, 46, 52, 65, 66, 67, 80, 82, 83	2, 3, 4, 11, 12, 13, 16, 21, 22, 26, 109	10, 41, 42	5ae, 14abc
INT 038	Endocrine Hypertension	G. Akçay	1		4, 21, 22, 39, 40, 46	16, 44, 53, 54, 55	21, 30, 31, 33, 41, 42, 47	4ae, 14abc
INT 039	Acute kidney injury	C. SEVINÇ	1		36, 43, 65, 66, 67	2, 3, 4, 9, 11, 13, 16, 26, 30, 34, 38, 51, 68, 87, 90, 91, 99, 108, 109, 111, 117, 118	3, 4, 11, 12, 13, 15, 19	5ae, 14abc
INT 040	Calcium Metabolism Disorders	H. BILEN	2		4, 14, 19, 34, 45, 50, 55, 66, 67, 75	11, 12, 13, 19, 24, 26, 27, 53, 56, 79	3, 6, 8, 34, 35, 40, 41, 42, 44	5ae, 14abc
INT 041	Chronic Kidney Disease	C. SEVINÇ	1		9, 12, 13, 14, 17, 19, 20, 23, 25, 34, 39, 42, 43, 44, 45, 47, 51, 52, 53, 61, 66, 67, 69, 83, 84	2, 3, 4, 9, 11, 13, 16, 26, 30, 34, 38, 51, 68, 87, 90, 91, 99, 108, 109, 111, 117, 118	29, 30, 34, 35, 37, 41, 42	5ae, 14abc
INT 042	Locomotor System Semiology	P. T. TAŞAR	1		24, 31, 32, 34	30, 38, 47, 53, 56, 63, 77, 79, 83, 86, 87, 90, 91, 92, 123	30, 31, 34, 35, 36, 37, 41, 42, 47	5ae, 14abc
INT 043	Approach to Proteinuria	C. SEVINÇ	2		9, 11, 13, 14, 17, 28, 30, 36, 37, 39, 40, 46, 55, 56, 61, 66, 67, 79, 83, 84	2, 3, 4, 9, 11, 13, 16, 26, 30, 34, 38, 51, 68, 87, 90, 91, 99, 108, 109, 111, 117, 118	3, 5, 6, 10, 21, 24, 30, 31, 34, 35, 37, 40, 41, 44, 45, 47, 49, 50	5a, 14abc

INT 044	Hematopoietic System Semiology	G. SINCAN	1		4, 5, 11, 12, 13, 14, 16,21, 28, 34, 38,43, 46, 49, 53,58, 64, 70, 73,77, 79, 80, 84	19, 20, 21, 25,34, 35, 36, 37, 48,49, 50, 51, 60, 61,72, 73, 76, 90, 99, 113, 116, 125	2, 3, 5, 8, 16, 18, 19, 21, 24, 30, 31, 34, 38, 39, 42,	5a, 14abc
INT 045	Hyperthyroidism + Hypothyroidism	I.ÇAPOĞLU	1		3, 4, 5, 6, 7, 11, 12, 13,14, 16, 19,20, 21, 22,24, 25,26, 28, 34, 39,40, 41, 43,44, 45, 46,50, 51,52, 53, 61, 68,69, 74, 76,77, 79, 81, 84	2, 11, 13, 16, 18, 21, 22, 23, 26,54, 55, 88, 95, 96, 106, 112	1, 2, 3, 5, 8, 15, 18, 19, 30, 31, 34, 35, 37, 40, 41, 42, 44,	14abc
INT 046	MEN VE OPS	G.AKÇAY	1		2, 5, 7, 12,13, 14, 19, 20,34, 39, 41, 50,52, 53, 57, 65,66, 68, 69, 74,75, 76	1, 11, 18, 26, 40, 43, 44, 53, 54,55, 56, 77, 88	1, 2, 3, 5, 8, 15, 18, 19, 30, 31, 34, 35, 37, 40, 41, 42, 44	5a, 14abc
INT 047	Primary Hypertension and Emergency Hypertension	A.UYANIK	1		7, 9, 12, 13, 14, 21, 22,24, 28, 36, 37,39, 40, 42, 46,56, 61, 79, 81,83, 84	2, 3, 4, 9, 11, 16, 19, 21, 26, 44, 88	3, 5, 6, 7, 10, 11, 15, 19, 21, 30, 31, 34, 35, 37, 40, 44, 45, 47, 49, 50, 52	5a, 14abc
INT 048	PCOS and Hirsutism	H.BILEN	1		5, 19, 20, 41, 52, 53, 57, 68, 69,	82, 106, 110, 112, 117	30, 31, 34, 41,	-5a, 14abc
INT 049	Renovascular Hypertension	A. UYANIK	1		7,9,12, 13,14, 21, 22,24, 28, 36, 37,39, 40, 42, 46,56, 61, 79, 81,83, 84	2, 3, 4, 9, 11, 16, 19, 21, 26, 40,44, 54, 68, 88	3, 5, 6, 7, 10, 11, 15, 19, 21, 30, 31, 34, 35, 37, 40, 44, 45, 47, 49, 50, 52	5a, 14abc
INT 050	Pituitary disorders	H.BILEN	1		2, 5, 13, 14, 20, 22, 24,34, 41, 44, 45,50, 52, 57, 65,66, 68, 69, 74,77,	1, 11, 13, 18, 22, 23, 26, 27, 40,43, 54, 55, 77, 98	3, 13, 15, 30, 31, 34, 37, 40, 41, 44,	5a, 14abc
INT 051	Crush Syndrome	A. UYANIK	1		9, 14, 34, 39, 40, 46, 50,56, 61, 66, 79, 83	2, 3, 4, 11, 12, 13, 16, 21, 22, 26, 109	1, 3, 6, 7, 10, 11, 19, 30, 31, 32, 34, 35, 36, 37, 40, 41, 45, 46, 50, 52	5a, 14abc
INT 052	Tubulointerstitial Diseases	E. ÇANKAYA	1		9, 17, 21, 30, 36, 39, 42,46, 50, 61, 66,79, 83, 84	2, 3, 4, 11, 12, 13, 16, 21, 22, 26, 109	8, 10, 11, 21, 30, 31, 34, 35, 37, 40, 41, 50	5e, 14abc
INT 053	Geriatric Semiology	P. T. TAŞAR	1		33, 34, 42,43, 45, 53, 77,79, 80, 83, 84, 85	13, 19, 22, 26, 77, 124	3, 13, 21, 34,	1b, 14abcdef
INT 054	Obesity and Metabolic Syndrome	G.AKÇAY	1		2, 13, 34, 39, 44	18, 40, 47, 82, 106, 110, 117, 123	6	5ae, 14abc
INT 055	Fluid Electrolyte Balance Disorders	E. ÇANKAYA	2		12, 13, 14,24, 34, 77, 79	3, 11, 12, 13, 19, 26, 27, 79, 98, 109	3, 10, 15, 21, 30, 31, 37, 40, 41, 49, 50, 52	14abc, 19c, 35abcdefgh
INT 056	Renal Replacement	C. SEVINÇ	1		9, 17, 20, 25, 34, 39, 40,43,	2, 3, 4, 11, 12, 13, 16, 21, 22,	5, 6, 10, 30, 31, 37, 40,	5e, 14abc

	Therapies				46, 51, 56, 61, 79, 80, 81, 84	26, 109	44, 49	
INT 057	Cancer Formation Mechanisms Carcinogenesis	S. B. TEKIN	1		6, 12, 34, 53, 59, 79, 80	19, 24, 26, 32, 37, 41, 45, 61, 66, 75, 85, 89, 94, 95	1, 2, 4, 19, 42, 52	5ae
INT 058	Diagnostic Methods in Oncology	M. BILICI	1		6, 12, 13, 17, 26, 34, 40, 43, 45, 70, 79	19, 24, 26, 32, 37, 41, 45, 61, 66, 75, 85, 89, 94, 95	1, 2, 3, 4, 5, 6, 7, 8, 11, 34, 35, 47	5ae
INT 059	Screening Methods of Risk Factors in Cancer and Prevention	M. BILICI	1		6, 12, 13, 17, 26, 34, 40, 43, 45, 70, 79	19, 24, 26, 32, 37, 41, 45, 61, 66, 75, 85, 89, 94, 95		5ae, 14abc, 25abc,
INT 060	Cognitive Disorders in the Elderly	P. T. TAŞAR	1		4, 14, 42, 77, 79, 81, 83, 85	9, 13, 22, 26, 77, 115, 124	13, 15, 21, 31, 32, 34, 35, 44, 46, 47, 52	5ae, 14abc, 19c
INT 061	Metastatic Tumors Without Primer	S. B. TEKIN			43, 62, 69, 79	19, 24, 26, 32, 41, 45, 61, 66, 75, 85, 89, 94, 95	1, 2, 29, 34, 35, 41, 42, 43, 45, 46, 47, 51, 52	5ae, 14abc, 25abc
INT 062	Malnutrition in the Elderly	P. T. TAŞAR	1		1, 26, 34, 42, 43, 45, 53, 79, 84, 85,	18, 19, 77, 124, 125	21, 22, 47	5ae, 14abc, 19c, 25abc,
INT 063	Basic Principles of Chemotherapy - 1	M. BILICI	2		43, 62, 69, 79	19, 24, 26, 32, 41, 45, 61, 66, 75, 85, 89, 94, 95, 124	1, 2, 29, 34, 35, 41, 42, 43, 45, 46, 47, 51, 52	5ae, 14abc, 25abc
INT 064	Polypharmacy and Drug Side Effects in the Elderly	P. T. TAŞAR	1		2, 12, 14, 24, 33, 34, 42, 43, 45, 79, 85	18, 19, 20, 22, 77	3, 21, 30, 31, 44	5ae, 14abc, 19c 25abc
INT 065	Vaccination in the Geriatric Population	Dr. P. T. TAŞAR	1		80, 83, 85	6, 8, 28	18, 19, 20, 30, 31, 47, 48	5ae, 14abc, 19c, 35abcdeh
INT 066	Urinary and Fecal Incontinence in the Elderly	Dr. P. T. TAŞAR	1		30, 33, 42, 66, 67	19, 22, 115, 124	15, 34, 35	1b, 5ae, 14abc, 19c, 25abc
INT 067	Targeted Treatment in Oncology	S. B. TEKIN	1		43, 62, 69, 79	24, 37, 41, 75, 78, 79, 89, 94, 95	1, 2, 29, 34, 35, 41, 42, 43, 45, 46, 47, 51, 52	5ae, 14abc, 25abc
INT 068	Familial Mediterranean Fever	Ö.TOPDAĞI	1		11, 31, 32, 48	5, 30, 34, 111	4, 5, 6, 24, 34, 35, 41, 42,	5ae
INT 069	Oncological Emergencies	M. BILICI	1		43, 62, 69, 79	24, 41, 75, 94, 95	1, 2, 29, 34, 35, 41, 42, 43, 45, 46, 47, 51, 52	5ae, 14abc, 25abc
INT 070	Arthritis	Ö.TOPDAĞI	1		31	30, 38, 83, 86, 87, 90, 91, 92, 93, 99	21, 27, 34, 35, 47	5ae
INT 071	Paraneoplastic Syndromes	M. BILICI	1		43, 62, 69, 79	24, 41, 45, 75, 94, 95	1, 2, 29, 34, 35, 41, 42, 43, 45, 46, 47, 51, 52	5ae, 14abc, 25abc
INT 072	Cancer Immunology	S. B. TEKIN	1		43, 62, 69, 79	24, 32, 37, 41, 66, 75, 94, 95,	1, 2, 29, 34, 35, 41, 42, 43, 45, 46, 47, 51, 52	5ae, 14abc, 25abc
INT 073	Henoch - Schönlein purpura	A.BILEN	1		9, 11, 31, 36, 42, 48, 51, 61, 64	3, 4, 5, 7, 50, 99, 111	16, 24, 27, 30, 31, 34, 35, 36, 37, 38, 41, 42, 50, 52	5ae
INT 074	Palliative	S. B. TEKIN	1		3, 14, 16, 25,	11, 13, 18, 21, 22,	1, 5, 21, 29,	5ae, 14abc, 25abc



	Treatment in Oncology				26, 42, 43,45, 48, 49, 69, 70	23, 24, 26, 27,29, 32, 45, 95, 124	30, 41, 42, 49, 51, 52	
INT 075	Systemic lupus erythematosus	A.BILEN	1		3, 6, 11, 13, 14, 31, 32,34, 50, 53, 64	3, 4, 90, 91, 104, 109, 111	2, 5, 15, 24, 30, 31, 34, 41	5ae
INT 076	Anaphylaxis	Ö.TOPDAĞI	1		14, 21, 28,40, 51, 56, 61,71, 79	2, 6, 8, 10, 19,27, 28	1, 11, 12, 30, 31, 37, 40, 45, 49	5ae
INT 077	Common Cancers	S. B. TEKİN	1		1, 6, 8, 11,12, 13, 16, 17,23, 26, 27, 28,29, 30, 33, 34,35, 36, 37, 38,43, 45, 49, 53,58, 59, 62, 64,70, 71, 73, 79, 84	7, 13, 18, 21, 24, 25, 26, 29, 32,37, 41, 45, 63, 66,75, 78, 89, 94	2, 4, 5, 8, 14, 24, 30, 31, 34, 41, 43, 46, 51	5ae, 14abc, 25abc

## 6. LEARNING METHODS OF INTERNAL MEDICINE CLERKSHIP PROGRAM

LEARNING METHODS OF INTERNAL MEDICINE CLERKSHIP PROGRAM	
<b>Learning Methods Related with Knowledge:</b>	
<ul style="list-style-type: none"> <li>Structured learning activities in clinical skill laboratories and simulated patient centers</li> <li>Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences</li> <li>On-the-job learning and assessment</li> <li>Structured case discussion</li> </ul>	
<b>Learning Methods Related with Medical practices:</b>	
<ul style="list-style-type: none"> <li>Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures</li> <li>Interdisciplinary learning activities (meetings, panels, group discussions)</li> <li>Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)</li> <li>CBL (Case-based learning)</li> <li>Independent learning</li> </ul>	
<b>Learning Methods Related with Professionalism</b>	
<ul style="list-style-type: none"> <li>Critical situation discussions</li> <li>Reflection sessions</li> <li>Written visual texts readings and interpretations</li> <li>Student development file (portfolio) application</li> <li>On-the-job learning and assessment (MiniPET)</li> </ul>	

## 7. “STUDENT TRAINEE REPORT” FOR INTERNAL MEDICINE CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV INTERNAL MEDICINE CLERKSHIP STUDENT TRAINEE REPORT			
Name:.....Surname:.....		Date:...../...../.....	
Student Number:			
I- Basic Medicine Practices	Learning Level**	Number of Applications	Teaching Staff Approve (Date)
<b>A. Taking Anamnesis</b>			
Genel ve soruna yönelik öykü alabilme	4	5	

<b>B. Physical Examination (General and Problem-Oriented)</b>			
Anthropometric measurements	4	5	
Abdominal examination	3	5	
Consciousness assessment	4	5	
Skin examination	4	5	
Evaluation of general condition and vital signs	4	5	
Cardiovascular system examination	4	5	
Musculoskeletal system examination	3	5	
Respiratory system examination	4	5	
<b>C. Registration, Reporting and Notification</b>			
Enlightenment and consent	4	5	
To prepare patient file	4	5	
<b>D. Laboratory Tests and Other Related Processes</b>			
Reading and evaluating direct radiographs	4	5	
To be able to measure and evaluate blood sugar with a glucometer	4	5	
To be able to interpret the results of screening and diagnostic purposes	3	5	
<b>E. Interventional and Non-Interventional Applications</b>			
Ability to open vascular access	3	5	
Hand washing	4	5	
IM, IV, SC, ID injection	4	5	
Being able to measure blood pressure	4	5	
Capillary blood sampling	4	5	
Minimental status examination	3	5	
To be able to apply oxygen and nebul - inhaler treatment	4	5	
To be able to apply and evaluate pulse oximetry	3	5	
<b>I-Total Basic Medicine Practice score (out of 5 point)</b>			
<b>II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)</b>			
<b>Total Professionalism score (out of 5 point)</b>			
<b>III- Clinical Problem Solving (out of 5)</b>			
(Given from the performance shown in <b>Case Based Learning sessions</b> )			
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)</b>			
Teaching Staff Date and Sign		Head of Department Date and Sign	

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

## 8. ASSESSMENT AND EVALUATION METHODS IN INTERNAL MEDICINE CLERKSHIP

ASSESSMENT AND EVALUATION METHODS IN INTERNAL MEDICINE CLERKSHIP	
PRACTICAL-ORAL EXAMINATION	
<ul style="list-style-type: none"> <li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (15%) <ul style="list-style-type: none"> <li>➤ <b>Basic Medicine Practices</b> (5 %).</li> <li>➤ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).</li> <li>➤ <b>Clinical Problem Solving</b> (Given from the performance shown in <b>Case Based Learning sessions</b>) (out of 5)</li> </ul> </li> <li>• <b>Practical Exam:</b> It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%)</li> <li>• <b>Oral Examination:</b> Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %)</li> <li>• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.</li> <li>• Students who fail the practical-oral examination, take the make-up exam.</li> <li>• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.</li> </ul>	
THEORETICAL EXAM	
<ul style="list-style-type: none"> <li>• It consists of a total of 100 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision)</li> <li>• Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.</li> <li>• Students who fail the theoretical examination, take the make-up exam.</li> </ul> <p>Sınavınızda çoktan seçmeli ve/veya yazılı sınav sorusu konusunda bilgi veriniz. Lütfen silmeyi unutmayınız)</p>	
SUCCESS GRADE	
<ul style="list-style-type: none"> <li>• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.</li> </ul>	
MAKE-UP EXAM	
<ul style="list-style-type: none"> <li>• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.</li> </ul>	

## SESSION IV OBSTETRICS AND GYNECOLOGY CLERKSHIP GUIDE

<b>Code</b>	
<b>Period</b>	8 weeks

<b>Type</b>	Compulsory
<b>ECTS</b>	12

### OBSTETRICS AND GYNECOLOGY CLERKSHIP - Prerequisite Courses

<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committee (s) in session 3

### REFERENCES (RESOURCE BOOK - OTHERS)

<b>1.</b>	Williams Obstetrics
<b>2.</b>	Berek & Novak Gynecology
<b>3.</b>	Te Linde Gynecology Surgery

### OBSTETRICS AND GYNECOLOGY CLERKSHIP - RULES FOR STUDENTS

<b>1</b>	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
<b>3</b>	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
<b>4</b>	Students are obliged to keep the “ <b>Ataturk University Faculty of Medicine Trainee Report</b> ” which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship.
<b>5</b>	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
<b>6</b>	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”.
<b>7</b>	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “ <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ”. The participation link to the survey will be sent to the students by the dean’s management.

## 1. OBSTETRICS AND GYNECOLOGY CLERKSHIP - OBJECTIVE OF THE PROGRAM

### OBJECTIVE OF THE OBSTETRICS AND GYNECOLOGY CLERKSHIP PROGRAM

<b>13.</b>	To be able to make a preliminary diagnosis by evaluating the anatomy, physiological features of the female genital organs and the signs and symptoms of the diseases affecting them.
<b>14.</b>	To be able to make emergency treatment by defining emergencies for Obstetrics and Gynecology
<b>15.</b>	To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria
<b>16.</b>	To be able to provide referral in case of emergency after treatment and treatment
<b>17.</b>	To gain the knowledge, skills and professionalism characteristics determined for the clerkship

## 2. OBSTETRICS AND GYNECOLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

<b>Program Qualifications</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
<b>Contribution levels</b>	4		4			4		3		5	5	5	2	3	2	4	4	5	5	5
<b>Program Qualifications</b>	21	22	23	24	25	26	27	28	29	30	31	32								
<b>Contribution levels</b>	5	5	5	5	4	5	5	5	5	4	4	5								

**Contribution levels:** -:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high

### 3. LEARNING OBJECTIVES OF THE OBSTETRICS AND GYNECOLOGY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the OBSTETRICS AND GYNECOLOGY CLERKSHIP period

<b>OBSTETRICS AND GYNECOLOGY CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS</b>			
1.	amenorrhea	13.	Suspicious genitalia
2.	Nausea and vomiting	14.	Pelvic pain
3.	Sexual function problems	15.	Puberty disorders (early - late)
4.	dysmenorrhea	16.	Urinary incontinence
5.	dysuria	17.	Vaginal discharge
6.	Wound in the genital area	18.	Vaginal bleeding (during pregnancy, postpartum, post menopausal, others)
7.	Hypertension (During Pregnancy)	19.	Healthy sex life
8.	hirsutism	20.	Reproductive health and rights
9.	Infertility (woman)	21.	Combating communicable diseases in the community
10.	Abdominal pain	22.	Gender and health
11.	Mass in the abdomen	23.	Bloating in the abdomen*
12.	Convulsions (During Pregnancy)	24.	Pelvic mass

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the “Diseases / Clinical Problems” listed below during the OBSTETRICS AND GYNECOLOGY CLERKSHIP period.

<b>OBSTETRICS AND GYNECOLOGY CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS</b>	
<b>LEARNING LEVELS</b>	<b>CLINICAL PROBLEM</b>
In the clinical problems mentioned in the column next to;  <b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b>	1. Labor 2. Postpartum hemorrhage 3. Genito-urinary trauma 4. Abortion 5. Pregnancy-bleeding 6. Fetal distress at birth 7. Eclampsia, preeclampsia, HELLP syndrome 8. Troubled labor
In the clinical problems mentioned in the column next to;  <b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert</b>	9. Labor 10. Postpartum hemorrhage 11. Genito-urinary trauma 12. Abortion 13. Pregnancy-bleeding 14. Fetal distress at birth 15. Sexual function problems 16. Sexual orientation problems 17. Gestational diabetes mellitus 18. Endometriosis 19. Preeclampsia

	20. Ectopic pregnancy 21. Intrauterine infections 22. Osteoporosis 23. Ovarian cancer 24. Pelvic mass 25. Polycystic ovary syndrome 26. Cervical cancer 27. RH incompatibility in pregnancy 28. 60. Pelvic Pain Syndrome 29. 62. Uterus tumors
In the clinical problems mentioned in the column next to;  <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b>	30. Dysmenorrhea 31. Amenorrhea 32. Abnormal uterine bleeding 33. Intrauterine growth retardation 34. Genital infections 35. Birth trauma 36. Fetal distress 37. Eclampsia, preeclampsia, HELLP syndrome 38. Pregnancy standard monitoring 39. Pregnancy Risky Surveillance 40. Menopause 41. Urinary incontinence 42. Menstrual cycle disorder 43. Prenatal diagnosis 44. Gestational diabetes 45. Risky pregnancy 46. 61. Pelvic Inflammatory Disease
In the clinical problems mentioned in the column next to;  <b>Be able to Diagnose and Treat (DT)</b>	47. Sexually transmitted infections 48. Dysuria 49. Postpartum hemorrhage 50. Labor 51. Hyperemesis gravidarum 52. Premenstrual syndrome
In the clinical problems mentioned in the column next to;  <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	53. Intrauterine growth retardation 54. Genital infections 55. Sexually transmitted infections 56. Genital cancer screening 57. Birth trauma 58. Intrauterine infections 59. Osteoporosis 60. Premenstrual syndrome 61. Cervical cancer 62. Risky pregnancy 63. RH incompatibility in pregnancy 64. 61. Pelvic Inflammatory Disease
In the clinical problems mentioned in the column next to;  <b>be able to follow up (F) in necessary cases</b>	65. Pelvic Pain syndrome

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the OBSTETRICS AND GYNECOLOGY CLERKSHIP period.

OBSTETRICS AND GYNECOLOGY CLERKSHIP - LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	BASIC MEDICINE APPLICATIONS

Skills specified in the adjacent column; <b>Knows</b> how to practice and <b>explains</b> the results to patients and / or relatives <b>(LEARNING LEVEL 1)</b>	-----
Skills specified in the adjacent column;  <b>In an emergency</b> , performs the application in accordance <b>with the guide / instruction</b> <b>(LEARNING LEVEL 2)</b>	<ol style="list-style-type: none"> <li>1. Ability to have normal spontaneous delivery</li> <li>2. Opening and sewing episiotomy</li> </ol>
Skills specified in the adjacent column;  performs pre-assessment / evaluation in <b>uncomplicated</b> , frequent, cases creates necessary plans and informs patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 3)</b>	<ol style="list-style-type: none"> <li>3. To be able to take general and problematic stories</li> <li>4. Abdominal examination</li> <li>5. Pregnant examination</li> <li>6. General situation and evaluation of vital signs</li> <li>7. Gynecological examination</li> <li>8. Lighting and consent</li> <li>9. To prepare epicrisis</li> <li>10. To prepare patient file</li> <li>11. To be able to refer patients appropriately</li> <li>12. Prescribing a recipe</li> <li>13. Filling the request form for laboratory examination</li> <li>14. Ability to take the laboratory sample under appropriate conditions and deliver it to the laboratory.</li> <li>15. To be able to interpret the results of screening and diagnostic purposes</li> <li>16. To be able to examine vaginal discharge sample (urogenital infection screening, fresh preparation preparation and care) and evaluate</li> <li>17. Ability to open vascular access</li> <li>18. To be able to take care of the mother after birth</li> <li>19. Ability to insert urine catheter</li> <li>20. Ability to teach breast self examination</li> <li>21. Periodic examination, control (Cardiac risk calculation, adolescent counseling, tobacco counseling, cancer screening etc.)</li> <li>22. IM, IV, SC, ID injection</li> <li>23. Ability to insert urinary catheter</li> <li>24. Being able to take samples for culture</li> <li>25. To be able to take vaginal and cervical samples</li> <li>26. Ability to throw and take superficial sutures</li> <li>27. To be able to apply contraception methods correctly and to follow the users</li> <li>28. To be able to perform oral, rectal, vaginal and topical drug applications</li> <li>29. Ability to take biological samples from the patient</li> </ol>
Skills specified in the adjacent column;  Pre-evaluate the application including <b>complex</b> situations / cases, creates the necessary plans and informs the patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 4)</b>	<ol style="list-style-type: none"> <li>30. To be able to take measures to stop / limit external bleeding</li> <li>31. To be able to follow up pregnant and maternity</li> <li>32. Follow-up and periodic health examinations at different stages of life (pregnancy, birth, puerperium, newborn, childhood, adolescence, adulthood, old age)</li> </ol>

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the “Behavioral, Social and Humanities” listed below during the OBSTETRICS AND GYNECOLOGY CLERKSHIP period

OBSTETRICS AND GYNECOLOGY CLERKSHIP– LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
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**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of OBSTETRICS AND GYNECOLOGY CLERKSHIP

ATTITUDES THAT SHOULD BE GAINED FOR <i>PROFESSIONALITY</i> DURING THE OBSTETRICS AND GYNECOLOGY CLERKSHIP
<ol style="list-style-type: none"> <li>1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.</li> <li>2. Rights-based health approach</li> <li>3. Communication skills, communication in difficult situations, interpersonal relations and teamwork</li> <li>4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.</li> <li>5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.</li> <li>6. Patient rights, physician responsibility, patient-physician relationship.</li> <li>7. Problems and dilemmas for professionalism / ethics in health processes.</li> <li>8. Legal problems in health processes.</li> <li>9. Research and publication ethics.</li> <li>10. Determinants of health, inequality in health, social gender and health.</li> <li>11. Health systems, health policies.</li> <li>12. Health economics and management.</li> <li>13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.</li> <li>14. Work culture in coordination with other members of the team and disciplines</li> <li>15. Being able to share their knowledge and professional experience with other members of the team,</li> </ol>

#### 4. OBSTETRICS AND GYNECOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

SESSION IV INTERNAL MEDICINE CLERKSHIP- WEEKLY COURSE PROGRAM			
Days	Subject of The Lesson	Lesson Time	Teaching Staff
Monday	I. Week		
	Information About Internship and Ethical and Professional Values in Clinical Practice	08 <sup>00</sup> -09 <sup>00</sup>	Assoc. Dr. Ömer Erkan YAPÇA
	Menopause and Osteoporosis	09 <sup>00</sup> -10 <sup>00</sup>	



	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
Tuesday	Preterm Birth	08 <sup>00</sup> -09 <sup>00</sup>	Proff. Metin iNGEÇ
	Tocolysis	09 <sup>00</sup> -10 <sup>00</sup>	
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
Wednesday	Polycystic Ovary Syndrome	08 <sup>00</sup> -10 <sup>00</sup>	Proff. Bünyamin BÖREKÇİ
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	Proff. Yakup KUMTEPE
	Free Work / Elective Course	13 <sup>00</sup> -17 <sup>00</sup>	
Thursday	Postterm Pregnancy	08 <sup>00</sup> -09 <sup>00</sup>	Dr.Faculty Memb.Gamze Nur CİMiLLİ ŞENOCAK
	Ethics In Obstetrics and Gynecology	09 <sup>00</sup> -11 <sup>00</sup>	
	Bedside Visit	11 <sup>00</sup> -12 <sup>00</sup>	Proff. Ragıp Atakan AL
	Diabetes and Pregnancy	13 <sup>00</sup> -14 <sup>00</sup>	Proff. Ragıp Atakan AL
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
Friday	Postmenopausal Bleeding	08 <sup>00</sup> -09 <sup>00</sup>	Proff. Yakup KUMTEPE
	Bedside Visit	09 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
Monday	II. Week		
	Benign Diseases Of Vulva and Vagina	08 <sup>00</sup> -10 <sup>00</sup>	Dr. Faculty Memb.Emsal Pınar TOPDAĞI YILMAZ
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
Tuesday	Preterm Rupture of Membranes	08 <sup>00</sup> -09 <sup>00</sup>	Dr.Faculty Memb.Gamze Nur CİMiLLİ ŞENOCAK
	Bedside Visit	09 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
Wednesday	Amenorrhea	08 <sup>00</sup> -10 <sup>00</sup>	Proff. Yakup KUMTEPE
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Free Work / Elective Course	13 <sup>00</sup> -17 <sup>00</sup>	
Thursday	Evaluation Of Fetal Health	08 <sup>00</sup> -10 <sup>00</sup>	Proff. Ragıp Atakan AL
	Teratology	10 <sup>00</sup> -11 <sup>00</sup>	Dr. Faculty Memb.Emsal Pınar TOPDAĞI YILMAZ
	Bedside Visit	11 <sup>00</sup> -12 <sup>00</sup>	Proff. Ragıp Atakan AL
	Clinical Practice	13 <sup>00</sup> -15 <sup>00</sup>	
	Case-Based Learning (CBL) Session 1	15 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
Friday	Endometrium Canser	08 <sup>00</sup> -10 <sup>00</sup>	Proff. Yakup KUMTEPE
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
Monday	III. Week		
	Premenstruel Syndrome (PMS)	08 <sup>00</sup> -09 <sup>00</sup>	Assoc. Dr. Ömer Erkan YAPÇA
	Dysmenorrhea	09 <sup>00</sup> -10 <sup>00</sup>	
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
Tuesday	Pregnancy and RH Isoimmunisation	08 <sup>00</sup> -10 <sup>00</sup>	Proff. Metin iNGEÇ
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
Wednesday	Prolapsus of Pelvic Organs	08 <sup>00</sup> -10 <sup>00</sup>	Proff. Yakup KUMTEPE
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Free Work / Elective Course	13 <sup>00</sup> -17 <sup>00</sup>	

Thursday	Pregnancy and Heart Diseases	08 <sup>00</sup> -10 <sup>00</sup>	Proff. Ragıp Atakan AL
	Intrauterine Fetal Death	10 <sup>00</sup> -11 <sup>00</sup>	Dr.Faculty Memb.Gamze Nur CİMİLLİ ŞENOCAK
	Bedside Visit	11 <sup>00</sup> -12 <sup>00</sup>	Proff. Ragıp Atakan AL
	Clinical Practice	13 <sup>00</sup> -15 <sup>00</sup>	
	Case-Based Learning (CBL) Session 2	15 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
Friday	Approach to Pelvic Mass	08 <sup>00</sup> -09 <sup>00</sup>	Proff. Bünyamin BÖREKÇİ
	Approach to Infertilite Couple	09 <sup>00</sup> -10 <sup>00</sup>	Dr.Faculty Memb.Gamze Nur CİMİLLİ ŞENOCAK
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
Monday	IV. Week		
	Chronic Pelvic Pain	08 <sup>00</sup> -09 <sup>00</sup>	Dr.Dr.Ömer Erkan YAPÇA
	Uterine Rupture	09 <sup>00</sup> -11 <sup>00</sup>	
	Bedside Visit	11 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
Tuesday	Preeclampsia - Eclampsia	08 <sup>00</sup> -10 <sup>00</sup>	Proff. Metin İNGEÇ
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
Wednesday	Urinary Incontinans	08 <sup>00</sup> -10 <sup>00</sup>	Dr. Faculty Memb.Emsal Pınar TOPDAĞI YILMAZ
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Free Work / Elective Course	13 <sup>00</sup> -17 <sup>00</sup>	
Thursday	Dystocia	08 <sup>00</sup> -10 <sup>00</sup>	Proff. Ragıp Atakan AL
	Intrauterine Growth Retardation	10 <sup>00</sup> -12 <sup>00</sup>	
	Bedside Visit	13 <sup>00</sup> -14 <sup>00</sup>	
	Clinical Practice	14 <sup>00</sup> -15 <sup>00</sup>	
	Case-Based Learning (CBL) Session 3	15 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
Friday	Ovarian Cancer	08 <sup>00</sup> -10 <sup>00</sup>	Assoc. Dr. Ömer Erkan YAPÇA
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
Monday	V. Week		
	Pelvic Inflatuar Diseases	08 <sup>00</sup> -10 <sup>00</sup>	Assoc. Dr. Ömer Erkan YAPÇA
	Antenatal Care	10 <sup>00</sup> -11 <sup>00</sup>	
	Bedside Visit	11 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
Tuesday	Breech Delivery	08 <sup>00</sup> -09 <sup>00</sup>	Dr. Faculty Memb.Emsal Pınar TOPDAĞI YILMAZ
	Pregnancy and Chronic Hypertension	09 <sup>00</sup> -10 <sup>00</sup>	Proff. Metin İNGEÇ
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
Wednesday	Cervical Intraepitelyal Neoplasia	08 <sup>00</sup> -10 <sup>00</sup>	Proff. Yakup KUMTEPE
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Free Work / Elective Course	13 <sup>00</sup> -17 <sup>00</sup>	
Thursday	Abnormal Vaginal Bleeding	08 <sup>00</sup> -10 <sup>00</sup>	Dr.Faculty Memb.Gamze Nur CİMİLLİ ŞENOCAK
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -15 <sup>00</sup>	
	Case-Based Learning (CBL) Session 1	15 <sup>00</sup> -16 <sup>00</sup>	
Friday	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	Proff. Bünyamin BÖREKÇİ
	Gestational Trophoblastic Diseases	08 <sup>00</sup> -10 <sup>00</sup>	
	Endometrial Hyperplasia	10 <sup>00</sup> -12 <sup>00</sup>	
	Bedside Visit	13 <sup>00</sup> -14 <sup>00</sup>	
	Clinical Practice	14 <sup>00</sup> -16 <sup>00</sup>	
Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>		

<b>Monday</b>	<b>VI. Week</b>		Dr. Faculty Memb.Emsal Pınar TOPDAĞI YILMAZ
	Perinatal Infections	08 <sup>00</sup> -09 <sup>00</sup>	
	Puerperal Infections	09 <sup>00</sup> -11 <sup>00</sup>	
	Bedside Visit	11 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
<b>Tuesday</b>	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	Proff. Metin İNGEÇ
	Postpartum Hemorrhage	08 <sup>00</sup> -10 <sup>00</sup>	
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
<b>Wednesday</b>	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	Proff. Yakup KUMTEPE
	Cervical Cancer	08 <sup>00</sup> -10 <sup>00</sup>	
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
<b>Thursday</b>	Free Work / Elective Course	13 <sup>00</sup> -17 <sup>00</sup>	Proff. Ragıp Atakan AL
	Evaluation of High Risk Pregnancy	08 <sup>00</sup> -10 <sup>00</sup>	
	Myoma Uteri	10 <sup>00</sup> -11 <sup>00</sup>	
	Bedside Visit	11 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -15 <sup>00</sup>	
	Case-Based Learning (CBL) Session 2	15 <sup>00</sup> -16 <sup>00</sup>	
<b>Friday</b>	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	Proff. Bünyamin BÖREKÇİ
	Assisted Reproductive Techniques	08 <sup>00</sup> -10 <sup>00</sup>	
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
<b>Monday</b>	<b>VII. Week</b>		Proff. Yakup KUMTEPE
	Malign Diseases of Vulva and Vagen	08 <sup>00</sup> -10 <sup>00</sup>	
	bedside visit	11 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
<b>Tuesday</b>	Multiple Pregnancy	08 <sup>00</sup> -10 <sup>00</sup>	Dr. Faculty Memb.Emsal Pınar TOPDAĞI YILMAZ
	Hyperemesis Gravidarum	10 <sup>00</sup> -11 <sup>00</sup>	
	Bedside Visit	11 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
<b>Wednesday</b>	Hirsutism and Hyperandrogenizm	08 <sup>00</sup> -10 <sup>00</sup>	Proff. Yakup KUMTEPE
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Free Work / Elective Course	13 <sup>00</sup> -17 <sup>00</sup>	
<b>Thursday</b>	Operative Labor	08 <sup>00</sup> -10 <sup>00</sup>	Proff. Ragıp Atakan AL
	Induction of Labor	10 <sup>00</sup> -11 <sup>00</sup>	
	Bedside Visit	11 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -15 <sup>00</sup>	
	Case-Based Learning (CBL) Session 3	15 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
<b>Friday</b>	Ectopic Pregnancy	08 <sup>00</sup> -09 <sup>00</sup>	Proff. Bünyamin BÖREKÇİ
	Bedside Visit	09 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
<b>Monday</b>	<b>VIII. Week</b>		Assoc. Dr. Ömer Erkan YAPÇA
	Third Trimester Bleedings	08 <sup>00</sup> -10 <sup>00</sup>	
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	
<b>Tuesday</b>	Prenatal Diagnosis	08 <sup>00</sup> -10 <sup>00</sup>	Proff. Metin İNGEÇ
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Clinical Practice	13 <sup>00</sup> -16 <sup>00</sup>	
	Independent Working Hour	16 <sup>00</sup> -17 <sup>00</sup>	

<b>Wednesday</b>	Endometriosis	08 <sup>00</sup> -10 <sup>00</sup>	Proff. Bünyamin BÖREKÇİ
	Bedside Visit	10 <sup>00</sup> -12 <sup>00</sup>	
	Free Work / Elective Course	13 <sup>00</sup> -17 <sup>00</sup>	
<b>Thursday</b>	Exam		
<b>Friday</b>	Exam		

## 5. MATCHING OBSTETRICS AND GYNECOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

MATCHING OBSTETRICS AND GYNECOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptoms / Conditions	Clinical Problem	Basic Medical Practices	Behavioral, Social and Humanities
KHD001	Clerkship description, gynecological examination, symptom, findings	Dr.Ömer Erkan YAPÇA	1	3				
KHD002	Menoposis and osteoporosis	Dr.Ömer Erkan YAPÇA	2	3	1, 3	22, 28, 37	20, 21	
KHD003	Early delivery threat	Prof.Dr. Metin INGEÇ	2	3	17	36, 42, 46	3, 5	
KHD004	Tocolysis	Prof.Dr. Metin INGEÇ	1	3		1, 8, 46, 42, 36		
KHD005	Pcos (polycystic over syndrome)	Prof.Dr. Bünyamin BÖREKÇİ	3	3	1, 15, 4	25, 56		
KHD006	Day out	Dr. Gamze Nur CIMILLI ŞENOCAK	3	3		8, 17, 30, 32, 36, 41, 42	5	
KHD007	Diabetes and pregnancy	Prof.Dr. Ragıp Atakan AL	1	3		1, 2, 3, 8, 9, 10	1, 2	
KHD008	Postmenoposal bleeding	Prof.Dr. Yakup KUMTEPE	3	3	1, 10, 18	28, 29, 37		
KHD009	Benefit diseases of vulva and vagen	Dr. Emsal Pınar TOPDAĞI YILMAZ	3	3	6, 14, 17	50, 51, 31	24, 25, 28, 16	
KHD010	Early membrane rupture	Dr. Gamze Nur CIMILLI ŞENOCAK	3	3	5, 17	5, 8, 13	3, 5, 16	
KHD011	Amenorrhea	Prof.Dr.Yakup KUMTEPE	3	3	1, 4, 8	27, 28, 29, 37	7	
KHD012	Evaluation of fetal health	Prof.Dr.Ragıp Atakan AL	3	3		35, 36, 40	5, 6	
KHD013	Teratology	Dr. Emsal Pınar TOPDAĞI YILMAZ	1	3		42		
KHD014	Endometrium cancer	Prof.Dr.Yakup KUMTEPE	3	3	1, 10, 18	24, 28, 29	29, 21, 7, 8	
KHD015	Premenstrual syndrome	Dr.Ömer Erkan YAPÇA	2	3	4, 8	56		
KHD016	Dysmenorrhea	Dr.Ömer Erkan YAPÇA	1	3	4	27		
KHD017	Pregnancy and rh isoimmunization	Prof.Dr. Metin INGEÇ	3	3		36, 8		
KHD018	Prolapy of pelvic organs	Prof.Dr.Yakup KUMTEPE	3	3	16	11, 38	7	
KHD019	Pregnancy and heart diseases	Prof.Dr.Ragıp Atakan AL	3	3		36, 42	5	
KHD020	Intrauterin dead fetus	Prof.Dr.Ragıp Atakan AL	1	3		8, 9, 10	31	
KHD021	Approach to pelvic mass	Prof.Dr.Bünyamin BÖREKÇİ	2	3	10, 11, 14	23, 24, 26, 29, 52, 57	4, 7, 15, 25	
KHD022	İnfertil double approach	Dr. Gamze Nur CIMILLI ŞENOCAK	1	3	9	15, 25, 39		
KHD023	Chronic pelvic pain	Dr.Ömer Erkan	3	3	10, 14			

		YAPÇA						
KHD024	Uterine rupture	Dr.Ömer Erkan YAPÇA	1	3	18	5, 2, 10, 13	30	
KHD025	Preeklampsi - eklampsi	Prof.Dr. Metin INGEÇ	3	3	7	7, 19, 34	6, 3	
KHD026	Urinary incontinence	Dr. Emsal Pınar TOPDAĞI YILMAZ	3	3	5, 16	38		
KHD027	Dystonia	Prof.Dr.Ragıp Atakan AL	3	3	8	1, 3, 8, 9, 11		
KHD028	Development of the intrauter	Prof.Dr.Ragıp Atakan AL	1	3		49		
KHD029	Over cancer	Prof.Dr.Yakup KUMTEPE	3	3	10, 11	23	21	
KHD030	Pelvic inflammatory diseases	Dr.Ömer Erkan YAPÇA	3	3	5, 17	43		
KHD031	Antenatal care	Dr.Ömer Erkan YAPÇA	1	3	19	35		
KHD032	Breech birth	Dr. Emsal Pınar TOPDAĞI YILMAZ	2	3	1	1, 42	5	
KHD033	Pregnancy and chronic hypertension	Prof.Dr. Metin INGEÇ	1	3	7	7, 14, 19, 30, 34	6, 11	
KHD034	Servical intraepithelial neoplasia	Prof.Dr.Bünyamin BÖREKÇİ	3	3	17, 18	26, 52	25, 24, 29	
KHD035	Abnormal vaginal bleeding	Dr. Gamze Nur CIMILLI ŞENOCAK	3	3	18, 19	2, 5, 4, 13		
KHD036	Gestational trophoblastic diseases	Prof.Dr.Yakup KUMTEPE	3	3	1, 18	13		
KHD037	Endometrial hyperplasias	Prof.Dr.Yakup KUMTEPE	1	3	1, 18	29, 39, 52	15, 16	
KHD038	Perinatal infections	Dr. Emsal Pınar TOPDAĞI YILMAZ	3	3	6	21		
KHD039	Puerperal infections	Dr. Emsal Pınar TOPDAĞI YILMAZ	2	3	6	21		
KHD040	Postpartum bleedings	Prof.Dr. Metin INGEÇ	3	3	18	2, 10, 32, 45		
KHD041	Cervical cancer	Prof.Dr.Yakup KUMTEPE	3	3	18, 17	57	21	
KHD042	Evaluation of high risk pregnancy	Dr. Gamze Nur CIMILLI ŞENOCAK	3	3	7	36, 42	3, 4, 5	
KHD043	Myoma uteri	Prof.Dr.Ragıp Atakan AL	1	3	11, 14, 18	24	7	
KHD044	Auxiliary reproductive techniques	Prof.Dr.Bünyamin BÖREKÇİ	3	3	9			
KHD045	Malignant diseases of vulva and vagen	Prof.Dr.Yakup KUMTEPE	3	3	5, 10, 13			
KHD046	Multiple pregnancy	Prof.Dr. Metin INGEÇ	2	3	1	36, 42		
KHD047	Hyperemesis gravidarum	Dr. Emsal Pınar TOPDAĞI YILMAZ	1	3	2	47	17, 5	
KHD048	Hirsutism and hyperandrogenism	Prof.Dr.Yakup KUMTEPE	3	3	8	27, 28, 25		
KHD049	Operative birth	Prof.Dr.Ragıp Atakan AL	3	3		1, 10, 53		
KHD050	Birth induction	Prof.Dr.Ragıp Atakan AL	1	3		1, 10, 53, 8		
KHD051	Ectopic pregnancy	Prof.Dr.Bünyamin BÖREKÇİ	3	3	1	20		
KHD052	Third trimester	Yrd.Dr.Dr.Ömer	3	3	18	5, 13		

	hemorrhage	Erkan YAPÇA						
KHD053	Prenatal diagnosis	Prof.Dr. Metin INGEÇ	3	3		35, 40		
KHD054	Endometriosis	Prof.Dr.Bünyamin BÖREKÇİ	3	3	4, 10, 14	27, 18		

## 6. LEARNING METHODS OF OBSTETRICS AND GYNECOLOGY CLERKSHIP PROGRAM

LEARNING METHODS OF OBSTETRICS AND GYNECOLOGY CLERKSHIP PROGRAM	
<b>Learning Methods Related with Knowledge:</b>	
<ul style="list-style-type: none"> <li>Structured learning activities in clinical skill laboratories and simulated patient centers</li> <li>Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences</li> <li>On-the-job learning and assessment</li> <li>Structured case discussion</li> </ul>	
<b>Learning Methods Related with Medical practices:</b>	
<ul style="list-style-type: none"> <li>Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures</li> <li>Interdisciplinary learning activities (meetings, panels, group discussions)</li> <li>Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)</li> <li>CBL (Case-based learning)</li> <li>Independent learning</li> </ul>	
<b>Learning Methods Related with Professionalism</b>	
<ul style="list-style-type: none"> <li>Critical situation discussions</li> <li>Reflection sessions</li> <li>Written visual texts readings and interpretations</li> <li>Student development file (portfolio) application</li> <li>On-the-job learning and assessment (MiniPET)</li> </ul>	

## 7. “STUDENT TRAINEE REPORT” FOR OBSTETRICS AND GYNECOLOGY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV OBSTETRICS AND GYNECOLOGY CLERKSHIP STUDENT TRAINEE REPORT			
Name: .....Surname: .....			
Student Number:		Date:...../...../.....	
I- Basic Medicine Practices	Learning Level**	Number of Applications	Teaching Staff Approve (Date)
<b>A. Taking Anamnesis</b>			
To be able to take general and problematic stories	4	5	
<b>B. Physical Examination (General and Problem-Oriented)</b>			
Abdominal examination	3	5	
Pregnant examination	3	5	
Evaluation of general condition and vital signs	3	5	
Gynecological examination	3	5	
<b>C. Registration, Reporting and Notification</b>			
Lighting and and get approval	3	5	
Preparing epicrises	3	5	

To prepare patient file	3	5	
Ability to organize reporting and notification	3	5	
Ability to edit a recipe	3	5	
<b>D. Laboratory Tests and Other Related Processes</b>			
To be able to take the laboratory sample under appropriate conditions and to deliver it to the laboratory	3	5	
To be able to interpret the results of screening and diagnostic purposes	4	5	
To be able to examine the vaginal discharge sample (urogenital infection screening, preparation and care of fresh preparation) and evaluate	4	5	
<b>E. Interventional and Non-Interventional Applications</b>			
Ability to open vascular access	3	5	
To be able to take care of the mother after birth	4	5	
Hand washing	4	5	
Opening and sewing episiotomy	2	1	
To be able to follow up pregnant and maternity	3	5	
IM, IV, SC, ID injection	4	5	
Urinary catheter insertion	4	5	
Being able to take samples for culture	4	5	
Ability to have normal spontaneous delivery	2	2	
To be able to perform oral, rectal, vaginal and topical drug applications	3	5	
To be able to take vaginal and cervical samples	3	5	
Ability to throw and take superficial sutures	3	5	
<b>I-Total Basic Medicine Practice score (out of 5 point)</b>			
<b>II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)</b>			
<b>Total Professionalism score (out of 5 point)</b>			
<b>III- Clinical Problem Solving (out of 5)</b> (Given from the performance shown in Case Based Learning sessions)			
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)</b>			
Teaching Staff Date and Sign		Head of Department Date and Sign	

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.

\*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.

## 8. ASSESSMENT AND EVALUATION METHODS IN OBSTETRICS AND GYNECOLOGY CLERKSHIP

ASSESSMENT AND EVALUATION METHODS IN OBSTETRICS AND GYNECOLOGY CLERKSHIP
PRACTICAL-ORAL EXAMINATION

- **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)
  - **Basic Medicine Practices** (5 %).
  - **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).
  - **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions**) (out of 5)
- **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85 %)
- Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.
- Students who fail the practical-oral examination, take the make-up exam.
- Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.

#### THEORETICAL EXAM

- It consists of a total of 50 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision)
- Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.
- Students who fail the theoretical examination, take the make-up exam.

#### SUCCESS GRADE

- Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.

#### MAKE-UP EXAM

- If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.



## SESSION IV PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP GUIDE

<b>Code</b>	TPT-505	<b>Type</b>	Compulsory
<b>Period</b>	2 weeks	<b>ECTS</b>	5

### PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- Prerequisite Courses

<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committee (s) in session 3

### REFERENCES (RESOURCE BOOK - OTHERS)

<b>1.</b>	PHYSICAL MEDICINE AND REHABILITATION / Mehmet Beyazova-Yeşim Gökçe Kutsal
<b>2.</b>	Medical Rehabilitation / Hasan Oğuz
<b>3.</b>	Rheumatology / Şebnem Ataman-Peyman Yalçın

### PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- RULES FOR STUDENTS

<b>1</b>	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
<b>3</b>	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
<b>4</b>	Students are obliged to keep the “ <b>Ataturk University Faculty of Medicine Trainee Report</b> ” which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
<b>5</b>	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
<b>6</b>	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”.
<b>7</b>	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “ <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ”. The participation link to the survey will be sent to the students by the dean's management.

### 1. PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- OBJECTIVE OF THE PROGRAM

#### OBJECTIVE OF THE PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP PROGRAM

<b>1.</b>	To be able to make a preliminary diagnosis or diagnosis by evaluating the anatomy, physiological features of the muscles and skeletal system, the signs and symptoms of the diseases affecting them.
<b>2.</b>	To demonstrate protective and rehabilitative approaches in situations that may cause musculoskeletal disability
<b>3.</b>	To learn and be able to apply the necessary treatment for pathologies of the musculoskeletal system
<b>4.</b>	To be able to make a preliminary diagnosis / diagnosis by evaluating the signs and symptoms of rheumatological diseases with a general approach
<b>5.</b>	To define emergencies for physical medicine and rehabilitation related with pathologies (including rheumatological diseases), to perform the necessary emergency treatment and to provide referral when necessary.
<b>6.</b>	To recognize the physical therapy modalities used in the treatment of diseases and to explain how to use in which disease
<b>7.</b>	To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria
<b>8.</b>	To provide gaining the knowledge, skills and professionalism characteristics determined for the clerkship.

### 2. PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	5	5	5	4	4	4	3	4	4	4	5	4	4	5	4	4	5	4	4	4
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levels	5	5	4	4	5	3	4	4	5	4	4	4								

**Contribution levels:** -:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high

### 3. LEARNING OBJECTIVES OF THE PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the physical medicine and rehabilitation clerkship period

PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS					
1.	Dry mouth	12.	Dry eyes	23.	Chronic pain
2.	Wound in the mouth	13.	Weakness, fatigue	24.	Neuropathic pain
3.	Anemia	14.	Movement disorders	25.	Shoulder pain
4.	Fever	15.	Immobilization	26.	Paresthesia
5.	Low back and back pain	16.	Abdominal pain	27.	Paralysis
6.	Neck pain	17.	Muscle weakness	28.	Pelvic pain
7.	Problems with balance / movement	18.	Musculoskeletal pain (lower back, neck, back, hip and limb pain)	29.	Morning stiffness
8.	Skin rashes / lesions	19.	Weight loss	30.	Hair loss
9.	Changes in the skin and its appendages	20.	Cladication intermittant	31.	Recurrent falls
10.	Joint pain / swelling	21.	Speech disorders (aphasia, dysphasia, dysarthria, stuttering, etc.)	32.	Tetany
11.	Movement restriction in joints	22.	Cramp	33.	Difficulty in swallowing

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the "Diseases / Clinical Problems" listed below during the physical medicine and rehabilitation clerkship period.

PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS	
LEARNING LEVELS	CLINICAL PROBLEM
In the clinical problems mentioned in the column next to; <b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b>	1. Limb trauma / fractures 2. Facial paralysis 3. Drug side effects 4. Spine injuries 5. Cauda equina syndrome 6. Rheumatological emergencies
In the clinical problems mentioned in the column next to; <b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert</b>	7. Adhesive capsulitis 8. Familial Mediterranean fever 9. Alopecia 10. Amyloidosis 11. Ataxic disorders 12. Behçet's disease 13. Gout disease

	14. Inflammatory bowel disease 15. Muscular diseases (myopathies) 16. Bone tumors 17. Complex regional pain syndrome 18. Speech disorders 19. Lymphedema / lipoma 20. Meniscus lesions 21. Shoulder impingement syndrome 22. Osteoporosis 23. Peripheral neuropathy 24. Polymyalgia rheumatica 25. Polymyositis and dermatomyositis 26. Reynaud's disease 27. Romatid arthritis 28. Sarcoidosis 29. Cervical myelopathy 30. Systemic lupus erythematosus 31. Sjogren's Syndrome 32. Scleroderma 33. Spinal cord compression syndrome 34. Spondyloarthropathies 35. Sleep disorder 36. Uveitis 37. Vasculitis
In the clinical problems mentioned in the column next to; <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b>	38. Acute rheumatic fever 39. Arthritis 40. Disc hernias 41. Limb trauma / fractures 42. Facial paralysis 43. Fibromyalgia 44. Medication side effects 45. Speech disorders 46. Torticollis 47. Spinal deformities
In the clinical problems mentioned in the column next to; <b>Be able to Diagnose and Treat (DT)</b>	48. Pressure ulcers 49. Vitamin D deficiency 50. Osteoarthritis 51. Tenosynovitis 52. Myofascial pain syndrome
In the clinical problems mentioned in the column next to; <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	53. Acute rheumatic fever 54. Pressure ulcers 55. Vitamin D deficiency 56. Disc herniation 57. Gout disease 58. Medication side effects 59. Lymphedema / Lipoedema 60. Spinal deformities 61. Osteoarthritis 62. Osteoporosis
In the clinical problems mentioned in the column next to; <b>Be able to follow up (F) in necessary cases</b>	63. Familial Mediterranean Fire 64. Pressure ulcers 65. Vitamin D deficiency 66. Drug side effects 67. Lymphedema / Lipoedema 68. Osteoarthritis

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the PHYSICAL MEDICINE AND REHABILITATION clerkship period.

PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	BASIC MEDICINE APPLICATIONS
Skills specified in the adjacent column;  <b>Knows</b> how to practice and <b>explains</b> the results to patients and / or relatives  <b>(LEARNING LEVEL 1)</b>	----
Skills specified in the adjacent column;  <b>In an emergency</b> , performs the application in accordance <b>with the guide / instruction</b> <b>(LEARNING LEVEL 2)</b>	----
Skills specified in the adjacent column;  performs pre-assessment / evaluation in <b>uncomplicated</b> , frequent, cases creates necessary plans and informs patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 3)</b>	1.To be able to evaluate direct radiographs 2.Musculoskeletal system examination 3.Neurological examination 4.To be able to interpret the results of screening and diagnostic purposes
Skills specified in the adjacent column;  Pre-evaluate the application including <b>complex</b> situations / cases, creates the necessary plans and informs the patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 4)</b>	1. To apply the principles of rational drug use 2. Exercise and physical activity 3. Evaluation of general status and vital signs 4. To be able to take a general and problematic anamnesis 5. To prepare patient file 6. To apply IM, IV, SC, injection 7. To fill the request form for laboratory examination 8. Prescribe

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the physical medicine and rehabilitation clerkship period

PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
<b>2.Bağımlılık</b>	
a. Alcohol	
b. Tobacco	
<b>4. Work and health interaction</b>	
a. Occupational diseases	
b. Work-related diseases	
c. The effect of the disease on work and return to work after the disease (rehabilitation)	
<b>8. Difficulties in patient interaction</b>	
e. malingering	
g. Frequent patient	
<b>14. Chronic / non-communicable diseases</b>	
a. Monitoring and prevention of risk factors	
b. Management of risk factors	
c. Multimorbidity	
<b>19. Priority / disadvantaged groups</b>	
a. Children with special needs (chronic health problems, neuro-developmental disorders) / disabled people	
c. Elders	
e. Pregnant women	
<b>25. Physical, mental activity and exercise</b>	
a. Nutrition	
b. Physical, mental activity and exercise	
c. Sedentary life	
<b>30. Medical errors and unprofessional behavior</b>	
a. Malpractice	
<b>35. Aging</b>	
c. Multi-morbidity and polypharmacy	

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of physical medicine and rehabilitation clerkship

ATTITUDES THAT SHOULD BE GAINED FOR <i>PROFESSIONALITY</i> DURING THE PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP
<ol style="list-style-type: none"> <li>1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.</li> <li>2. Rights-based health approach</li> <li>3. Communication skills, communication in difficult situations, interpersonal relations and teamwork</li> <li>4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.</li> <li>5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.</li> <li>6. Patient rights, physician responsibility, patient-physician relationship.</li> <li>7. Problems and dilemmas for professionalism / ethics in health processes.</li> <li>8. Legal problems in health processes.</li> <li>9. Research and publication ethics.</li> <li>10. Determinants of health, inequality in health, social gender and health.</li> <li>11. Health systems, health policies.</li> <li>12. Health economics and management.</li> </ol>

13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.
14. Work culture in coordination with other members of the team and disciplines
15. Being able to share their knowledge and professional experience with other members of the team,

#### 4. PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP - WEEKLY COURSE PROGRAM

PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP - WEEKLY COURSE PROGRAM			
Days	Subject of The Lesson	Lesson Time	Teaching Staff
<b>Monday</b>	<b>I. Week</b>		
	Information on internship and ethical and professional values in clinical practice	08.00-09.00	Lecturer in charge of internship
	Taking an anamnesis and physical examination	09.00-10.00	Lecturer in charge of internship
	The term of rehabilitation and methods of Physical medicine	10.00-11.00	Prof. Dr. Akin ERDAL
	Low back pain and Rehabilitation	11.00-12.00	Prof. Dr. Akin ERDAL
<b>Tuesday</b>	Clinic (Group 1) Polyclinic (Group 2)	13.00-17.00	Dr. ERDAL, MELİKOĞLU, UZKESER, KUL and BAYGUTALP will work alternately.
	Physical examination practices at the clinic	08.00-10.00	Lecturer in charge of internship
	Neck pain and Rehabilitation	10.00-11.00	Assoc. Prof. Hülya UZKESER
	Spinal Cord injury and Rehabilitation	11.00-12.00	Assoc. Prof. Hülya UZKESER
	Clinic (Group 1) Polyclinic (Group 2)	13.00-17.00	Dr. ERDAL, MELİKOĞLU, UZKESER, KUL and BAYGUTALP will work alternately.
<b>Wednesday</b>	Physical examination practices at the clinic	08.00-10.00	Lecturer in charge of internship
	Introduction to rheumatology, history taking and physical examination	10.00-11.00	Prof. Meltem A. MELİKOĞLU
	Rheumatoid arthritis and Rehabilitation	11.00-12.00	Prof. Meltem A. MELİKOĞLU
	Case presentation, seminar, council	12.30-13.30	Lecturer and assistant
	Free course / free study	13.30-17.00	
<b>Thursday</b>	Physical examination practices at the clinic	08.00-10.00	Lecturer in charge of internship
	Soft Tissue Rheumatisms	10.00-11.00	Assist. Prof. Fatih BAYGUTALP
	Osteoarthritis and Rehabilitation	11.00-12.00	Assist. Prof. Fatih BAYGUTALP
	Case-Based Learning (CBL) Session 1	13.00-14.00	Lecturer in charge of internship
	Clinic (Group 1) Polyclinic (Group 2)	14.00-17.00	Dr. ERDAL, MELİKOĞLU, UZKESER, KUL and BAYGUTALP will work alternately.
<b>Friday</b>	Physical examination practices at the clinic	08.00-10.00	Lecturer in charge of internship
	The term of pain and classification	10.00-11.00	Assist. Prof. Fatih BAYGUTALP
	Metabolic Bone Diseases and Rehabilitation	11.00-12.00	Assoc. Prof. Ayhan KUL
	Clinic (Group 1) Polyclinic (Group 2)	13.00-17.00	Dr. ERDAL, MELİKOĞLU, UZKESER, KUL and BAYGUTALP will work alternately.
	<b>II. Week</b>		
<b>Monday</b>	Physical examination practices at the clinic	08.00-10.00	Lecturer in charge of internship
	Fibromyalgia	10.00-11.00	Prof. Dr. Akin ERDAL
	Ankylosing Spondylitis and Rehabilitation	11.00-12.00	Prof. Dr. Akin ERDAL
	Case-Based Learning (CBL) Session 2	13.00-14.00	Lecturer in charge of internship
	Clinic (Group 1) Polyclinic (Group 2)	14.00-17.00	Dr. ERDAL, MELİKOĞLU, UZKESER, KUL and BAYGUTALP will work alternately.
<b>Tuesday</b>	Physical examination practices at the clinic	08.00-10.00	Lecturer in charge of internship
	Rehabilitation of Cerebral Palsy	10.00-11.00	Assoc. Prof. Hülya UZKESER
	Normal and Pathologic Gait	11.00-12.00	Assoc. Prof. Hülya UZKESER
	Case-Based Learning (CBL) Session 3	13.00-14.00	Lecturer in charge of internship
	Clinic (Group 1) Polyclinic (Group 2)	14.00-17.00	Dr. ERDAL, MELİKOĞLU, UZKESER, KUL and BAYGUTALP will work alternately.
<b>Wednesday</b>	Physical examination practices at the clinic	08.00-10.00	Lecturer in charge of internship
	Spondyloarthropathies	10.00-11.00	Prof. Meltem A. MELİKOĞLU
	Crystal arthropathies	11.00-12.00	Prof. Meltem A. MELİKOĞLU
	Case presentation, seminar, council	12.30-13.30	Lecturer and assistant
	Free course / free study	13.30-17.00	
<b>Thursday</b>	Physical examination practices at the clinic	08.00-10.00	Lecturer in charge of internship
	Rehabilitation of Hemiplegia	10.00-11.00	Assoc. Prof. Ayhan KUL
	Sports injuries and Rehabilitation	11.00-12.00	Assoc. Prof. Bilgehan Öztıp

	Clinic (Group 1) Polyclinic (Group 2)	13.00-17.00	Dr. ERDAL, MELİKOĞLU, UZKESER, KUL and BAYGUTALP will work alternately.
Friday	Pratice exam	09.00-12.00	Seminar Room
	Theoric exam	13.30-14.30	Seminar Room
	The feedback meeting after internship program	14.30-15.00	Lecturer in charge of internship

## 5. MATCHING PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP COURSES WITH LEARNING OBJECTIVES

MATCHING PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptoms / Conditions	Clinical problem	Basic Medical Practices	BSH Behavioral Social and Humanities
PMR 001	Information on internship and ethical and professional values in clinical practice	Department staff in charge of practical training	1					
PMR 002	Taking an anamnesis and physical examination	Department staff in charge of practical training	1	1	1,2,3,4,5,6,7, 8,9,10,11,12, 13,14,15,16,17, 18,19,20,21,22, 23,24,25,26,27, 28,29,30,31,32, 33	1,2, 3,4 ,5,6	1,2,3,4,5,6,7, 8,9,10,11,12, 13,14	2a,2b,4a,4b, 4c,8e,8g,14a, 14b,14c,19a,19c, 19e,25a,25b,25c, 30a,35c
PMR 003	The term of rehabilitation and methods of physical medicine	Dr. A. Erdal	1		3,4,5,6,8,10,11, 12,13,14,15,16, 17,18,22,23,24, 25,26,27,29,	1,2, 3,4 ,5,6	1,2,3,5,6,7	4a,4b,4c, 8e,8g,19a, 19c,19e,30a
PMR 004	Low back pain and rehabilitation	Dr. A. Erdal	1		3,4,5,6,7,8,9, 10,11,13,14,15, 16,17,18,19,20, 22,23,24,25,26 ,27,28,29,31	3,5	1,2,3,4,5,6,7, 12	2a,4a,4b,4c,8e,8g, 14a,14b,14c, 19a,19c,19e, 25a,25b,25c, 30a,35c
PMR 005	Neck pain and rehabilitation	Dr. H. Uzkeser	1		3,4,5,6,7,8,9, 10,11,13,14,15, 17,18,19,23,24, 25,26,27,28,29, 31	3,5	1,2,3,4,5,6,7, 12	2a,4a,4b,4c,8e, 8g,14a,14b,14c, 19a,19c,19e, 25a,25b,25c, 30a,35c
PMR 006	Spnial Cord injury and rehabilitation	Dr. H. Uzkeser	1		1,2,3,4,5,6,7, 8,9,10,11,12, 13,14,15,17, 18,19,21,22, 23,24,25,26, 27,28,29,31	1	1,2,3,4,5,6,7	2b,4a,4b,4c, 14a,14b,14c, 19a,19c,19e, 25a,25b,25c, 30a,35c
PMR 007	Rheumatoid arthritis and rehabilitation	Dr. M.A. Melikoğlu	1		1,2,3,4,5,6,10, 11,12,13,15, 17,18,19,20, 22,23,24,25, 28,29,31	2	1,2,3,4,5,6,7	2b,4c,8e,14a, 14b,14c,19a, 19c,19e,25a, 25b,25c,
PMR 008	Spondyloarthropathies	Dr. M.A. Melikoğlu	1		1,2,3,4,5,6,7,8, 9,10,11,12,13, 14,15,16,17, 18,19,20,22, 23,24,25,28, 29,31	2	1,2,3,4,5,6,7	2b,4c,8e,14a, 14b,14c,19a, 19c,19e,25a, 25b,25c,
PMR 009	Soft tissue rheumatisms	Dr. F. Baygutalp	1		1,2,3,4,7,10, 11,12,13,14, 15,17,18,23,	4	1,2,3,4,5,6,7	4a,4b,4c, 14a,14b,14c, 25b,25c,35c

					24,25,29,31			
PMR 010	Degenerative osteoarthritis and rehabilitation	Dr. F. Baygutalp	1		5,6,10,11,14,15,17,18,23,25,29,31	4,5	1,3,4,5,10,11,14	2b,4c,8e,14a,14b,14c,19a,19c,19e,25a,25b,25c,
PMR 011	The term of pain and classification	Dr. F. Baygutalp	1		1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,22,23,24,25,26,27,28,29,31,33	1,2,3,4,5,6	1,2,3,4,5,6,7,11,12,14	2b,4c,8e,14a,14b,14c,19a,19c,19e,25a,25b,25c,
PMR 012	Metabolic bone diseases and rehabilitation	Dr. A. Kul	1		1,2,3,4,5,7,10,11,12,13,14,15,17,18,19,22,23,24,27,29,30,31,33	4,5	1,2,3,4,5,6,7	2b,4c,8e,14a,14b,14c,19a,19c,19e,25a,25b,25c,
PMR 013	Fibromyalgia	Dr. A. Erdal	1		1,2,3,4,5,6,10,11,12,13,14,15,17,16,17,18,19,26,27,22,23,24,25,26,27,28,29,31	3	1,3,4,5,6,7,11,14	2b,4c,8e,14a,14b,14c,19a,19c,19e,25a,25b,25c,
PMR 014	Ankylosing spondylitis and rehabilitation	Dr. A. Erdal	1		1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,22,23,24,25,28,29,31	2	1,2,3,4,5,6,7	2b,4c,8e,14a,14b,14c,19a,19c,19e,25a,25b,25c,
PMR 015	Diseases of collagen tissue	Dr. M.A. Melikoğlu	1		1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,33	2	1,2,3,4,5,6,7	2b,4c,8e,14a,14b,14c,19a,19c,19e,25a,25b,25c,
PMR 016	Crystal arthropathies	Dr. M.A. Melikoğlu	1		3,4,5,6,8,10,11,13,15,16,18,23,29	2,5	1,2,3,4,5,6,7	2b,4c,8e,14a,14b,14c,19a,19c,19e,25a,25b,25c,
PMR 017	Cerebral palsy and rehabilitation	Dr. H. Uzkeser	1		1,2,3,4,5,6,7,8,9,10,11,13,14,15,17,18,20,21,22,23,25,27,31,32,33	2	1,2,3,5,6,	2b,4a,4b,4c,14a,14b,14c,19a,19c,19e,25a,25b,25c,30a,35c
PMR 018	Normal and pathological gaits	Dr. H. Uzkeser	1		3,5,7,10,11,13,14,15,17,18,20,22,23,24,26,27,29,31,32	2	1,2,3,4,5,6,	2b,4a,4b,4c,14a,14b,14c,19a,19c,19e,25a,25b,25c,30a,35c
PMR 019	Hemiplegia and rehabilitation	Dr. A. Kul	1		1,2,3,4,5,6,7,8,9,10,11,13,14,15,17,18,20,21,22,23,24,25,26,27,31,33	1,5,6	1,2,5,6,12,13	2b,4a,4b,4c,14a,14b,14c,19a,19c,19e,25a,25b,25c,30a,35c
PMR 020	Sports injuries and rehabilitation	Dr. B.Öztop	1		5,6,7,8,10,11,14,17,18,20,22,25,28,31	1,3	1,2,3,4,5,6,7,10,12,13	14a,14b,14c,25b,25c,35c
PMR 021	Service visit		1	1				
PMR 022	Notification of the aims and objectives of the internship meeting	Head of internship commission	1					
PMR 023	Post-internship feedback meeting	Head of internship commission	1					

## 6. LEARNING METHODS OF PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP PROGRAM



<b>LEARNING METHODS OF PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP PROGRAM</b>	
<b>Learning Methods Related with Knowledge:</b>	
	<ul style="list-style-type: none"> <li>• Structured learning activities in clinical skill laboratories and simulated patient centers</li> <li>• Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences</li> <li>• On-the-job learning and assessment</li> <li>• Structured case discussion</li> </ul>
<b>Learning Methods Related with Medical practices:</b>	
	<ul style="list-style-type: none"> <li>• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures</li> <li>• Interdisciplinary learning activities (meetings, panels, group discussions)</li> <li>• Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)</li> <li>• CBL (Case-based learning)</li> <li>• Independent learning</li> </ul>
<b>Learning Methods Related with Professionalism</b>	
	<ul style="list-style-type: none"> <li>• Critical situation discussions</li> <li>• Reflection sessions</li> <li>• Written visual texts readings and interpretations</li> <li>• Student development file (portfolio) application</li> <li>• On-the-job learning and assessment (MiniPET)</li> </ul>

## **7. “STUDENT TRAINEE REPORT” FOR PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP**

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP STUDENT TRAINEE REPORT			
Name:.....Surname:.....			
Student Number:		Date:...../...../.....	
I- Basic Medicine Practices	Learning Level**	Number of Applications	Teaching Staff Approve (Date)
<b>A. Taking Anamnesis</b>			
To be able to take general and problematic anamnesis	4	2*	
<b>B. Physical Examination (General and Problem-Oriented)</b>			
Evaluation of general status and vital signs	4	2*	
Musculoskeletal system examination	3	2*	
Neurological examination	3	2*	
<b>C. Registration, Reporting and Notification</b>			
Preparing a patient file	4	2*	
Prescribe	4	10*	
<b>D. Laboratory Tests and Other Related Processes</b>			
To be able to evaluate direct radiographs	3	2*	
Filling the request form for laboratory examination	4	2*	
To be able to interpret the results of screening and diagnostic purposes	3	2*	
<b>E. Interventional and Non-Interventional Applications</b>			
To be able to apply rational drug use principles	4	2*	
Applying IM, IV, SC, injections	4	1*	
<b>H. Healthiness</b>			
Exercise and physical activity	4	2*	
<b>I-Total Basic Medicine Practice score (out of 5 point)</b>			
<b>II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)</b>			
Compliance with internship rules			
Adaptation to team work			
<b>Total Professionalism score (out of 5 point)</b>			
<b>III- Clinical Problem Solving (practice exam) (out of 10 point)</b>			
(Given from the performance shown in Case Based Learning sessions)			
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 20 point)</b>			
Teaching Staff Date and Sign		Head of Department Date and Sign	

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

\*\*Learning Level\*\*

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

## 8. ASSESSMENT AND EVALUATION METHODS IN PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP

ASSESSMENT AND EVALUATION METHODS IN PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP
PRACTICAL-ORAL EXAMINATION
<ul style="list-style-type: none"> <li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (10%) <ul style="list-style-type: none"> <li>➤ <b>Basic Medicine Practices</b> (5 %).</li> <li>➤ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).</li> <li>➤ <b>Clinical Problem Solving</b> (Given from the performance shown in <b>Case Based Learning sessions</b>) (out of 5)</li> </ul> </li> <li>• <b>Practical Exam:</b> It is performed by the direct observation and evaluation of practical/interventional skills. Total contribution to the Practical-Oral Examination (10%)</li> <li>• <b>Oral Examination:</b> Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (80 %)</li> <li>• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.</li> <li>• Students who fail the practical-oral examination, take the make-up exam.</li> <li>• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.</li> </ul>
THEORETICAL EXAM
<ul style="list-style-type: none"> <li>• It consists of a total of 100 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision)</li> <li>• Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.</li> <li>• Students who fail the theoretical examination, take the make-up exam.</li> </ul>
SUCCESS GRADE
<ul style="list-style-type: none"> <li>• Clerkship achievement grade is calculated by taking the average of the points obtained from the practical-oral and theoretical exam.</li> </ul>
MAKE-UP EXAM
<ul style="list-style-type: none"> <li>• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.</li> </ul>

## SESSION IV PEDIATRIC SURGERY CLERKSHIP GUIDE

<b>Code</b>	T-1 SÇL
<b>Period</b>	2 WEEKS

<b>Type</b>	Compulsory/Elective
<b>ECTS</b>	5

### PEDIATRIC SURGERY CLERKSHIP- Prerequisite Courses

<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committee (s) in session 3

### PEDIATRIC SURGERY CLERKSHIP- RULES FOR STUDENTS

<b>1</b>	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
<b>3</b>	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
<b>4</b>	Students are obliged to keep the “ <b>Ataturk University Faculty of Medicine Trainee Report</b> ” which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
<b>5</b>	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
<b>6</b>	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”.
<b>7</b>	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “ <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ”. The participation link to the survey will be sent to the students by the dean's management.

## 1. PEDIATRIC SURGERY CLERKSHIP- OBJECTIVE OF THE PROGRAM

### OBJECTIVE OF THE PEDIATRIC SURGERY CLERKSHIP PROGRAM

<b>9.</b>	To be able to make a preliminary diagnosis and diagnosis of important, common diseases by considering the learning objectives specified in the core training program at the end of the pediatric surgery clerkship.
<b>10.</b>	To be able to make a preliminary diagnosis by evaluating the anatomy, physiological features of the abdomen, thorax and urogenital organs, the signs and symptoms of the diseases affecting them.
<b>11.</b>	To be able to perform emergency treatment by defining emergencies (acute abdomen, emergency approach to trauma, pneumothorax) for pediatric surgery.
<b>12.</b>	To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria
<b>13.</b>	To be able to provide the referral of the patient in appropriate conditions after emergency intervention and treatment
<b>14.</b>	To gain the knowledge, skills and professionalism provided for the clerkship.

## 2. PEDIATRIC SURGERY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	4	4	5	4	5	5	3	4	4	5	5	5	4	5	3	4	5	4	5	5

*Contribution levels: no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

## 3. LEARNING OBJECTIVES OF THE PEDIATRIC SURGERY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Pediatric Surgery clerkship period

PEDIATRIC SURGERY CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS					
69.	Apnea	11	Hematuria	21	Corrosive exposure
70.	Fever	12	Urinary retention	22	Ambiguous genitalia
71.	Encopresis	13	Undescended testis	23	Colic pains (renal, biliary, intestinal)
72.	Mass on the neck	14	Constipation	24	Problems with height and diving (pressure change)
73.	Nausea and vomiting	15	Accidents (Home-work-traffic accidents, falling, drowning)	25	Melena-Hematemesis
74.	dysphagia	16	Abdominal pain	26	Pelvic pain
75.	Dyspnea	17	Mass in the abdomen	27	Icterus
76.	Dysuria	18	Mass in the groin / scrotum	28	Urinary incontinence
77.	Enuresis	19	Lymphadenopathy		
78.	Hematoecesia / Rectal bleeding	20	Foreign body (swallowing / aspiration)		

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the “**Diseases / Clinical Problems**” listed below during the Pediatric Surgery clerkship period.

PEDIATRIC SURGERY CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS	
LEARNING LEVELS	CLINICAL PROBLEM
In the clinical problems mentioned in the column next to; <b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b>	<ol style="list-style-type: none"> <li>1. Acute abdominal Syndrom</li> <li>2. Appendicitis</li> <li>3. Ileus</li> <li>4. Pneumothorax</li> <li>5. Lower gastrointestinal bleeding</li> <li>6. Foreign body / aspiration</li> <li>7. Abdominal wall / Groin hernias</li> <li>8. Obstructive uropathy</li> <li>9. Stone disease of the urinary system</li> <li>10. Upper gastrointestinal bleeding</li> <li>11. Trauma and injuries</li> <li>12. Intussusception</li> <li>13. Testicular torsion</li> </ol>

	14. Intestinal obstruction in newborn 15. Diaphragmatic hernias 16. Gastro - esophageal reflux 17. Genito-urinary trauma 18. Intussusception
In the clinical problems mentioned in the column next to; <b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert</b>	19. Congenital structural anomalies (anorectal malformations, biliary atresia, branchial anomalies, Hirschspung's disease, malrotation) Head and neck cancers 20. Achalasia 21. Enuresis, enkoprezis 22. Diaphragmatic hernias 23. Esophageal atresia 24. Cholecystitis, Cholelithiasis 25. Neuroblastoma 26. Pyloric stenosis 27. Thyroglossal cyst 28. Wilms' tumor 29. Necrotizing enterocolitis in newborn 30. Hydrocele 31. Abdominal wall / Groin hernias 32. Perianal abscess 33. Pyloric stenosis
In the clinical problems mentioned in the column next to; <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b>	34. Acute Abdominal Syndrome 35. Lower gastrointestinal bleeding 36. Abdominal wall / Groin hernias 37. Obstructive uropathy 38. Stone disease of the urinary system 39. Upper gastrointestinal bleeding 40. Foreign body aspiration 41. Phimosis and parafimosis 42. Hydrocele 43. Hypospadias, epispadias 44. Ileus 45. Esophageal atresia 46. Torticollis 47. Foreign body aspiration
In the clinical problems mentioned in the column next to; <b>Be able to Diagnose and Treat (DT)</b>	48. Gastro - esophageal reflux 49. Anal fissure 50. Perianal abscess 51. Fluid and electrolyte (sodium, potassium, calcium, magnesium, phosphorus) balance disorders 52. Urinary system infections
In the clinical problems mentioned in the column next to; <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	53. Gastro - esophageal reflux 54. The liquid electrolyte (Na, K, Ca, Mg, P) imbalance

	55. Congenital structural anomalies (anorectal malformations, biliary atresia, branchial anomalies, Hirschspung's disease, malrotation)
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**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Pediatric Surgery clerkship period.

<b>PEDIATRIC SURGERY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS</b>	
<b>LEARNING LEVELS</b>	<b>BASIC MEDICINE APPLICATIONS</b>
Skills specified in the adjacent column;  Knows how to practice and explains the results to patients and / or relatives  (LEARNING LEVEL 1)	33. To be able to take general and problematic anamnesis 34. Abdominal examination 35. Child and newborn examination 36. Inguinal hernia examination 37. Testicular examination 38. Urological examination 39. Forensic case examination 40. Digital rectal examination
Skills specified in the adjacent column;  In an emergency, performs the application in accordance with the guide / instruction  (LEARNING LEVEL 2)	41. To be able to take general and problematic anamnesis 42. Respiratory system examination 43. Abdominal examination 44. Urogenital examination 45. Preparing epicrises 46. To prepare patient file 47. Prescribing a recipe 48. To be able to prepare treatment refusal document 49. To be able to apply the principles of working with biological material 50. To be able to provide decontamination, disinfection, sterilization, antisepsis 51. To be able to filling the request form for laboratory examination 52. To be able to take the laboratory sample properly and deliver it to the laboratory 53. Hand washing

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the Pediatric Surgery clerkship period

<b>PEDIATRIC SURGERY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES</b>	
	<b>3. Accidents</b> <b>a.</b> Home accidents <b>b.</b> Traffic accidents <b>4. Child Neglect and Abuse</b> <b>a.</b> Abuse (physical, emotional, sexual)

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Pediatric Surgery clerkship

<b>ATTITUDES THAT SHOULD BE GAINED FOR PROFESSIONALITY DURING THE PEDIATRIC SURGERY CLERKSHIP</b>	
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.	
2. Rights-based health approach	
3. Communication skills, communication in difficult situations, interpersonal relations and teamwork	
4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.	
5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.	
6. Patient rights, physician responsibility, patient-physician relationship.	
7. Problems and dilemmas for professionalism / ethics in health processes.	
8. Legal problems in health processes.	
9. Research and publication ethics.	
10. Determinants of health, inequality in health, social gender and health.	
11. Health systems, health policies.	
12. Health economics and management.	
13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.	
14. Work culture in coordination with other members of the team and disciplines	
15. Being able to share their knowledge and professional experience with other members of the team,	

#### 4. PEDIATRIC SURGERY CLERKSHIP - WEEKLY COURSE PROGRAM

<b>SESSION IV PEDIATRIC SURGERY CLERKSHIP- WEEKLY COURSE PROGRAM</b>			
<b>Days</b>	<b>Subject of The Lesson</b>	<b>Lesson Time</b>	<b>Teaching Staff</b>
<b>Monday</b>	<b>1. WEEK</b>		
	Information about Internship and Ethical and Professional Values in Clinical Practices	08.00-09.00	Assoc. Prof. Murat YİĞİTER



	Embryology	09.00-10.00	Assoc. Prof. A. Bedii SALMAN
	Intussusception	10.00-11.00	Assoc. Prof. Murat YİĞİTER
	Liquid-Electrolit Therapy	11.00-12.00	Asst. Prof. Binali FIRINCI
	Clinical Trial	13.00-16:00	
	Visit	16:00-17:00	Asst. Prof. Binali FIRINCI
<b>Tuesday</b>	Visit	08.00-09.00	Assoc. Prof. A. Bedii SALMAN/ Assoc. Prof. Murat YİĞİTER
	Solid Tumors of Childhood (Wilms , Neuroblastoma, Teratoma)	09.00-10:00	Assoc. Prof. A. Bedii SALMAN
	VUR	10:00-11:00	Assoc. Prof. Murat YİĞİTER
	Hirschsprung Disease	13:00-15:00	Assoc. Prof. Murat YİĞİTER
	Clinical Trial	15:00-16:00	
	Visit	16:00-17:00	Asst. Prof. Binali FIRINCI
<b>Wednesday</b>	Visit	08.00-09.00	Assoc. Prof. A. Bedii SALMAN/ Assoc. Prof. Murat YİĞİTER
	Intestinal Atresia	09.00-10:00	Assoc. Prof. Murat YİĞİTER
	Clinical Trial	10:30-11:30	
	Free Work / Elective Course	14:00-17:00	
<b>Thursday</b>	Visit	08.00-09.00	Assoc. Prof. A. Bedii SALMAN/ Assoc. Prof. Murat YİĞİTER
	Undescended Testis, Acute Scrotum	10.00-11:00	Asst. Prof. Binali FIRINCI
	Patient Presentation	13:00-14:00	Assoc. Prof. Murat YİĞİTER / Asst. Prof. Binali FIRINCI
	Case-Based Learning (CBL) Session 1	14:00-16:00	Assoc. Prof. Murat YİĞİTER/ Asst. Prof. Binali FIRINCI
	Polyclinic practice	15.00-16.00	Assoc. Prof. Murat YİĞİTER
<b>Friday</b>	Visit	08.00-09.00	Assoc. Prof. A. Bedii SALMAN/ Prof. Dr. Murat YİĞİTER
	Diaphragmatic Hernias	10.00-11:00	Assoc. Prof. A. Bedii SALMAN
	Masses of Head and Neck	11.00-12:00	Assoc. Prof. A. Bedii SALMAN
	Clinical Trial	13:00-14:00	
	Surgical Diseases of Inguinal Region	14:00-15:00	Asst. Prof. Binali FIRINCI
	Visit	16:00-17:00	Asst. Prof. Binali FIRINCI
<b>Monday</b>	<b>2. WEEK</b>		
	Visit	08.00-09.00	Assoc. Prof. A. Bedii SALMAN/ Assoc. Prof. Murat YİĞİTER
	Anorectal Malformations	09.00-10.00	Assoc. Prof. A. Bedii SALMAN
	Esophageal Atresia	10:00-11:00	Assoc. Prof. Murat YİĞİTER
	Polyclinic practice	11:00-12:00	Asst. Prof. Binali FIRINCI
	Omphalocele + Gastroschisis	14:00-15:00	Asst. Prof. Binali FIRINCI
	Visit	16:00-16:30	Assoc. Prof. Murat YİĞİTER
	Visit	08.00-09.00	Assoc. Prof. A. Bedii SALMAN/ Assoc. Prof. Murat YİĞİTER
<b>Tuesday</b>	Congenital Hypertrophic Pyloric Stenosis	09:00-10:00	Assoc. Prof. Murat YİĞİTER
	Surgical Practice	10:00-12:00	Dr. Öğr. Üyesi Binali FIRINCI
	Case-Based Learning (CBL) Session 2	13:00-14:00	Prof. Dr. Murat YİĞİTER/ Asst. Prof. Binali FIRINCI
	Clinical Trial	14:00-15:00	
	Visit	16:00-17:00	Asst. Prof. Binali FIRINCI
	Visit	08.00-09.00	Assoc. Prof. A. Bedii SALMAN/ Assoc. Prof. Murat YİĞİTER
<b>Wednesday</b>	Abdominal Pain in Childhood, Appendicitis	09:00-10:00	Assoc. Prof. Murat YİĞİTER
	Congenital urogenitally Anomalies	10.00-11.00	Asst. Prof. Binali FIRINCI
	Free Work / Elective Course	14:00-17:00	
	Visit	08.00-09.00	
<b>Thursday</b>	Vitellin Channel Residues, Meckel Diverticulum, Umbilical Hernias	09.00-10:00	Asst. Prof. Binali FIRINCI
	Polyclinic practice	13:00-15:00	Asst. Prof. Binali FIRINCI
	Surgical Practice	15:00-16:00	Assoc. Prof. Murat YİĞİTER
	Visit	16:00-17:00	Asst. Prof. Binali FIRINCI
	Visit	09.00-09.00	Assoc. Prof. A. Bedii SALMAN/ Assoc. Prof. Murat YİĞİTER
<b>Friday</b>	EXAM (Practical – Theoric)	09.30	Assoc. Prof. A. Bedii SALMAN Assoc. Prof. Murat YİĞİTER Asst. Prof. Binali FIRINCI

**5. MATCHING PEDIATRIC SURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES**

<b>MATCHING PEDIATRIC SURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES</b>							
<b>Code</b>	<b>Lesson Topic</b>	<b>Teaching Staff</b>	<b>Theoretical lesson</b>	<b>Practical lesson</b>	<b>Symptoms / Conditions</b>	<b>Clinical problem</b>	<b>Basic Medical Practices</b>
CCER01	Embryology	Prof. Dr. A. Bedii SALMAN	1			11,12,	1
CCER02	Liquid-Electrolit Therapy	Dr. Öğr. Üyesi Binali FIRINCI	2	2		1,2,5,7,8,40	3
CCER05	Solid Tumors of Childhood (Wilms, Neuroblastoma, Teratoma)	Prof. Dr. A. Bedii SALMAN	3	1	1,2	12,18,21	1,9,11,12
CCER06	Omphalocele + Gastroschisis	Dr. Öğr. Üyesi Binali FIRINCI	1	1	17	1,12,41	1,2,9,11,
CCER07	Childhood Tumors (Neuroblastoma)	Prof. Dr. A. Bedii SALMAN	1		1,2		1,9,11
CCER08	Congenital urogenitally Anomalies (Epispadias, Hypospadias)	Dr. Öğr. Üyesi Binali FIRINCI	1	1	8,9,11,20,22	5,12	
CCER11	Undescended Testis/ Acute Scrotum	Dr. Öğr. Üyesi Binali FIRINCI	1	1	18,26	4,10	2,4,5
CCER12	Diaphragmatic Hernias	Prof. Dr. A. Bedii SALMAN	1	1	7	12	
CCER13	Corrosive Esophagus Damages	Dr. Öğr. Üyesi Özgür ÇAĞLAR	1		5,6,23,29	3,	
CCER14	Masses of Head and Neck	Prof. Dr. A. Bedii SALMAN	1	1	4	12	3
CCER15	Surgical Diseases of Inguinal Region	Dr. Öğr. Üyesi Binali FIRINCI	1	2	18	4,25	4
CCER16	Esophageal Atresia	Prof. Dr. Murat YİĞİTER	1	1	16,17	34	3
CCER17	Posterior Urethral valve and urethral anomalies	Dr. Öğr. Üyesi Binali FIRINCI	1	1	8,9,11,20,22	5,12	
CCER18	Anorectal Malformations	Dr. Öğr. Üyesi Binali FIRINCI	1	1	1,14,26	12,15	9,10
CCER19	Congenital Hypertrophic Pyloric Stenosis	Prof. Dr. Murat YİĞİTER	1		5	19	2
CCER20	Genito - Urinary System Traumas	Dr. Öğr. Üyesi Özgür ÇAĞLAR	1	2	8,11,12	8	10
CCER21	Necrotizan Enterocolitis	Prof. Dr. Murat YİĞİTER	1		1,5	1,2,11,22	3
CCER22	Intussiseption	Prof. Dr. Murat YİĞİTER	1		1,5	1,2,7,23,28,40	1,2,9
CCER23	Vitellin Channel Residues, Meckel Diverticulum	Dr. Öğr. Üyesi Binali FIRINCI	1		1,5	1,2,7,23,28,40	1,2,9
CCER24	Intestinal Atresia	Prof. Dr. Murat YİĞİTER	1	1	1,5,17	1,11	1,2

CCER25	Ovarian Torsion and Ovarian Masses	Dr. Öğr. Üyesi Özgür ÇAĞLAR	1	1	16,	1,23	2
CCER26	Approaches to Abdominal Pain in Childhood	Prof. Dr. Murat YİĞİTER	1	1	1,5	1,2,7,23,28,40	1,2,9
CCER27	Hirschsprung Disease	Dr. Öğr. Üyesi Özgür ÇAĞLAR	1		1,5,16	1,15,23	1,2,9,12
CCER28	Abdominal Traumas	Dr. Öğr. Üyesi Özgür ÇAĞLAR	1	1	1,5,6,16,26,25	1,2,23,24	1,2,3,7,8,9,13
CCER29	VUR and Ureter Anomalies	Prof. Dr. Murat YİĞİTER	1		8,9,11,26	5,6,26,27	1,6,13

## 6. LEARNING METHODS OF PEDIATRIC SURGERY CLERKSHIP PROGRAM

LEARNING METHODS OF PEDIATRIC SURGERY CLERKSHIP PROGRAM	
<b>Learning Methods Related with Knowledge:</b>	
<ul style="list-style-type: none"> <li>Structured learning activities in clinical skill laboratories and simulated patient centers</li> <li>Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences</li> <li>On-the-job learning and assessment</li> <li>Structured case discussion</li> </ul>	
<b>Learning Methods Related with Medical practices:</b>	
<ul style="list-style-type: none"> <li>Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures</li> <li>Interdisciplinary learning activities (meetings, panels, group discussions)</li> <li>Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)</li> <li>CBL (Case-based learning)</li> <li>Independent learning</li> </ul>	
<b>Learning Methods Related with Professionalism</b>	
<ul style="list-style-type: none"> <li>Critical situation discussions</li> <li>Reflection sessions</li> <li>Written visual texts readings and interpretations</li> <li>Student development file (portfolio) application</li> <li>On-the-job learning and assessment (MiniPET)</li> </ul>	

## 7. "STUDENT TRAINEE REPORT" FOR PEDIATRIC SURGERY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV PEDIATRIC SURGERY CLERKSHIP STUDENT TRAINEE REPORT			
Name:.....Surname:.....			
Student Number:		Date:...../...../.....	
I- Basic Medicine Practices	Learning Level**	Number of Applications	Teaching Staff Approve (Date)
<b>A. Taking an Anamnesis</b>			
To be able to take general and problematic	4	1*	

anamnesis			
<b>B. General and Problem-Oriented Physical Examination</b>			
Abdominal Examination	3	1,2,3,*	
Genitourinary System Examination	3	1*	
<b>C. Record Keeping, Reporting and Notification</b>			
Writing prescriptions	4	1*	
Preparing a patient file	4		
<b>D. Laboratory Tests and Other Related Processes</b>			
Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions	4	3	
Filling the request form for laboratory examination	4	3	
To be able to interpret the results of scanning and diagnostic purposes	3	3*	
<b>E. Interventional and Non-Interventional Applications</b>			
Inguinal Hernia Reduction (*)	3	1,2	
Follow-up of the Patient After Surgery (with Assistant)	3	1,3	
<b>I-Total Basic Medicine Practice score (out of 5 point)</b>			
<b>II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)</b>			
<b>Total Professionalism score (out of 5 point)</b>			
<b>III- Clinical Problem Solving (out of 10)</b> (Given from the performance shown in <b>Case Based Learning sessions</b> )			
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 20 point)</b>			
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <b>Teaching Staff</b>  <b>Date and Sign</b> </div> <div style="text-align: center;"> <b>Head of Department</b>  <b>Date and Sign</b> </div> </div>			

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.

\*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.

## 8. ASSESSMENT AND EVALUATION METHODS IN PEDIATRIC SURGERY CLERKSHIP

ASSESSMENT AND EVALUATION METHODS IN PEDIATRIC SURGERY CLERKSHIP
PRACTICAL-ORAL EXAMINATION

- **Trainee Report:** Total contribution to the Practical-Oral Examination (20%)
  - **Basic Medicine Practices** (5 %).
  - **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).
  - **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions**) (out of 10)
- **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (80 %)
- Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.
- Students who fail the practical-oral examination, take the make-up exam.
- Students who fail the practical-oral examination cannot take the Theoretical (multiple choice) exam.

#### THEORETICAL EXAM

- It consists of a total of 20 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision)
- Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.
- Students who fail the theoretical examination, take the make-up exam.

#### SUCCESS GRADE

- Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.

#### MAKE-UP EXAM

- If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

## SESSION VI RADIOLOGY CLERKSHIP GUIDE

<b>Code</b>	TPT-405	<b>Type</b>	Compulsory
<b>Period</b>	2 weeks	<b>ECTS</b>	3

### RADIOLOGY CLERKSHIP- Prerequisite Courses

<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committee (s) in session 3

### REFERENCES (RESOURCE BOOK - OTHERS)

<b>1.</b>	E.Tuncel Clinically Radiology 2012
<b>2.</b>	Michael Y.M. Chen, Thomas L. Pope, David J. Ott, Lange Basic Radiology, Second edition, 2011, The McGraw-Hill Companies
<b>3.</b>	Mukesh Harisinghani John Chen Ralph Weissleder, Primer of Diagnostic Imaging, 6th Edition, 2018, Elsevier

### RADIOLOGY CLERKSHIP- RULES FOR STUDENTS

<b>1</b>	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
<b>3</b>	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
<b>4</b>	Students are obliged to keep the <b>“Ataturk University Faculty of Medicine Trainee Report”</b> which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship.
<b>5</b>	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
<b>6</b>	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”.
<b>7</b>	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “ <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ”. The participation link to the survey will be sent to the students by the dean's management.

### 1. RADIOLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

#### OBJECTIVE OF THE RADIOLOGY CLERKSHIP PROGRAM

<b>15.</b>	General radiology knowledge, choosing appropriate radiological methods, typical radiological diseases to gain the skills of recognizing the findings and making differential diagnosis.
<b>16.</b>	To be able to make a preliminary diagnosis / diagnosis by identifying emergency radiological conditions
<b>17.</b>	To gain the ability to explain what should be considered in the selection of imaging methods to be requested for diagnosis, the sensitivity and limitations of examination methods.
<b>18.</b>	To gain the ability to evaluate radiographs
<b>19.</b>	To learn the basic indications of ultrasonography, Doppler ultrasonography, computed tomography and magnetic resonance imaging indications and advanced imaging methods
<b>20.</b>	To be able to gain the knowledge, skills and professionalism characteristics determined for the internship

## 2. RADIOLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	4	4	5	2	5	4	5	3		5	4		3				5	4		4
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levels	4	5	3		5	5	5	5	5	4	4	4								

**Contribution levels:** -:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high

## 3. LEARNING OBJECTIVES OF THE RADIOLOGY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** During the Term VI Radiology Internship, the list could not be arranged separately for the Radiology internship, since the faculty may include a significant portion of the symptoms / conditions included in the core training program.

**B. In terms of knowledge:** : As the faculty may cover a significant portion of the diseases / clinical problems in the core training program during the Term VI Radiology Internship, no list was drawn up for the Radiology internship.

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Radiology clerkship period.

RADIOLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	BASIC MEDICINE APPLICATIONS
Skills specified in the adjacent column;  Knows how to practice and explains the results to patients and / or relatives  <b>(LEARNING LEVEL 1)</b>	"-----"
Skills specified in the adjacent column;  <b>In an emergency, performs the application in accordance with the guide / instruction</b> <b>(LEARNING LEVEL 2)</b>	"-----"
Skills specified in the adjacent column;  performs pre-assessment / evaluation in <b>uncomplicated</b> , frequent, cases creates necessary plans and informs patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 3)</b>	<ol style="list-style-type: none"> <li>To recognize radiological anatomy</li> <li>To be able to explain the biological effects of radiation</li> <li>Explaining the side effects of contrast agents used in radiology and planning their treatment</li> <li>To determine the priority radiological examination according to clinical findings</li> <li>To distinguish the radiological views normally and pathologically</li> <li>To be able to interpret the pathological radiological findings in basic systems (central nervous system, thorax, cardiovascular system, abdomen, musculoskeletal system, breast, pediatric, obstetric and gynecological)</li> <li>To explain radiological emergencies according to the systems</li> <li>To associate radiological findings with clinical information</li> </ol>
Skills specified in the adjacent column;	<ol style="list-style-type: none"> <li>To be able to explain the pathological radiological findings in basic systems (central nervous system, thorax, cardiovascular system, abdomen, musculoskeletal system, breast, pediatric,</li> </ol>

Pre-evaluate the application including <b>complex</b> situations / cases, creates the necessary plans and informs the patients and their relatives <b>and does the application</b>  <b>(LEARNING LEVEL 4)</b>	obstetric and gynecological) within cause-effect relationships 10. To be able to read and evaluate direct radiographs 11. To be able to interpret the radiological examination results for screening and diagnostic purposes 12. Informing the patient and getting patient approval form 13. To apply the principles of working with biological material 14. To be able to provide decontamination, disinfection, sterilization, antisepsis. 15. Hand washing
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**D. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Radiology clerkship

ATTITUDES THAT SHOULD BE GAINED FOR <i>PROFESSIONALITY</i> DURING THE RADIOLOGY CLERKSHIP	
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.	
2. Rights-based health approach	
3. Communication skills, communication in difficult situations, interpersonal relations and teamwork	
4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.	
5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.	
6. Patient rights, physician responsibility, patient-physician relationship.	
7. Problems and dilemmas for professionalism / ethics in health processes.	
8. Legal problems in health processes.	
9. Research and publication ethics.	
10. Determinants of health, inequality in health, social gender and health.	
11. Health systems, health policies.	
12. Health economics and management.	
13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.	
14. Adequate illumination of the patient on radiological imaging modalities	
15. To obtain informed consent in terms of interventional radiological procedures to be applied to the patient,	

#### 4. RADIOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

SECTION VI RADIOLOGY INTERNSHIP PROGRAM			
Days	Lessons	Lesson hour	Teaching Staff
Monday	First week		



	Information about Radiology Internship Program	09.00-09.30	Lecturer in charge of internship
	Basic Radiology Physics	10.00-12.00	Dr. Ü. BAYRAKTUTAN
	Uroradiology	13.30-14.30	Dr. G. POLAT
	Radiology practice	14.30-16.00	Lecturer in charge of internship
	Training meeting	16.00-17.00	
<b>Tuesday</b>	Respiratory System Radiology	09.00-11.00	Dr. A. KARAMAN
	Radiology practice	11.00-12.00	
	Case-Based Evaluation (first session)	13.30-15.30	Dr. A. YALÇIN
	Radiology practice	15.30-17.00	
<b>Wednesday</b>	Gastrointestinal System Radiology	09.00-11.00	Dr. Ü. BAYRAKTUTAN
	Radiology practice	11.00-12.00	
	Free Work / Elective Course	13.30-16.00	Elective / Freelance
<b>Thursday</b>	Interventional Radiology	09.00-11.00	Dr. S. EREN
	Musculoskeletal Radiology (Radiological anatomy and basic pathologies)	11.00-12.00	Dr. G. POLAT
	Neuroradiology (Radiological anatomy and basic pathologies)	13.30-14.30	Dr. A. YALÇIN
	Radiology practice	14.30-17.00	
<b>Friday</b>	Vascular System - Cardiac Radiology	09.00-11.00	Dr. B. ÇANKAYA
	Radiology practice	11.00-12.00	Lecturer in charge of internship
	Case-Based Evaluation (second session)	13.30-15.30	Dr. B. PİRİMOĞLU
	Radiology practice	15.30-17.00	
<b>Monday</b>	<b>Second week</b>		
	Breast Radiology and General Radiologic Algorithm	09.00-11.00	Dr. F. ALPER
	Radiology practice	11.00-12.00	Lecturer in charge of internship
	Pediatric Radiology	13.30-14.30	Dr. B. PİRİMOĞLU
	Training meeting	14.30-16.00	
<b>Tuesday</b>	The diagnosis and management of acute ischemic stroke	09.00-10.00	Dr. R. SADE
	Head and Neck Radiology	10.00-11.00	Dr. E. GÖZGEÇ
	Radiology practice	11.00-12.00	Lecturer in charge of internship
	Case-Based Evaluation (third session)	13.30-15.30	Dr. E. GÖZGEÇ
	Radiology practice	15.30-17.00	Lecturer in charge of internship
<b>Wednesday</b>	Obstetrics and Genital Radiology	09.00-11.00	Dr. F. GÜVEN
	Radiology practice	11.00-12.00	Lecturer in charge of internship
	Free Work / Elective Course	13.30-16.00	Elective / Freelance
<b>Thursday</b>	Emergency Radiology	09.00-11.00	Dr. R. SADE
	Radiology practice	11.00-12.00	Lecturer in charge of internship
	Radiology practice	13.30-16.00	Lecturer in charge of internship
	Training meeting	16.00-17.00	
<b>Friday</b>	Clinical Exam	09.30	
	Written Exam	13.30	
	The feedback meeting after internship program	After exams	Seminary Room

## 5. MATCHING RADIOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Basic Medical Practices
RAD001	Basic Radiology Physics	Dr. U. Bayraktutan	1		2,3
RAD002	Female Genital System and Pregnancy Radiology	Dr. F. GUVEN	1,5		1,4-9
RAD003	Respiratory System Radiology	Dr. A. KARAMAN	2		1,4-9
RAD004	CBL (Case-based learning), 1st seance)	Dr. B. ÇANKAYA		2	1,6,8, 9,10
RAD005	Uroradiology I-II	Dr. G. POLAT	1,5		1,4-9
RAD006	Gastrointestinal System Radiology I-II	Dr. R. SADE	2		1,4-9
RAD007	Vascular Interventional Radiological Procedures	Dr. S.EREN	1		1,12-15
RAD008	Neuroradiology	Dr. H. OĞUL	1		1,4-9,11
RAD009	Radiological Approach and Emergency Radiological Approach in Forensic Cases	Dr. A. KANTARCI	2		1,7-9,11
RAD010	Non-Vascular Interventional Radiological Procedures	Dr. S.EREN	1,5		1,12-15
RAD011	Emergency Abdominal Radiology and Radiological Algorithm	Dr. U. Bayraktutan	2		1,4-9
RAD012	Circulatory System Radiology	Dr. B. ÇANKAYA	2		1,4-9
RAD013	CBL (Case-based learning), 2st seance)	Dr. B. PIRIMOĞLU		2	1,6,8,9,10
RAD014	Musculoskeletal System Radiology	Dr. H. OĞUL	2		1,4-9
RAD015	Pediatric Radiology	Dr.B. PIRIMOĞLU	1		1,4-9,10,11
RAD016	Abdominal Radiology	Dr. F. ALPER	2		1,4-9,10
RAD017	Breast Radiology	Dr. F. ALPER	2		1,4-9,10,11
RAD018	Acute Stroke Diagnosis and Treatment	Dr. R. SADE	1		1,6-9
RAD019	CBL (Case-based learning), 3st seance)	Dr. E. GÖZGEÇ		2	1,6,8,9,10
RAD020	Head and Neck Radiology	Dr. E. GÖZGEÇ	1		1,4-9
RAD021	Genitourinary System Radiology	Dr. F. GUVEN	1		1,4-9
RAD022	Cardiac Vascular Anatomy and Radiological Imaging	Dr. A. KANTARCI	2		1,4-9
RAD023	Radiography, IVP, Fluoroscopy, Mammography Practice			6	1,4-11
RAD024	US and Doppler US Practice			5	1,4-9,11
RAD025	Practice of CT and MRI evaluation			6	1,4-9,11
RAD026	Interventional Radiology Practice			5	1,4-11
RAD027	Notification meeting of the aims and objectives of the internship	Head of internship commission	1		
RAD028	Post-internship feedback meeting	Head of internship commission	1		

## 6. LEARNING METHODS OF RADIOLOGY CLERKSHIP PROGRAM

LEARNING METHODS OF RADIOLOGY CLERKSHIP PROGRAM	
Learning Methods Related with Knowledge:	
<ul style="list-style-type: none"> <li>Structured learning activities in clinical skill laboratories and simulated patient centers</li> <li>Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences</li> <li>On-the-job learning and assessment</li> <li>Structured case discussion</li> </ul>	
Learning Methods Related with Medical practices:	
<ul style="list-style-type: none"> <li>Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures</li> <li>Interdisciplinary learning activities (meetings, panels, group discussions)</li> <li>Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)</li> <li>Independent learning</li> </ul>	
Learning Methods Related with Professionalism	
<ul style="list-style-type: none"> <li>Critical situation discussions</li> <li>Reflection sessions</li> <li>Gamification, psychodrama</li> <li>Written visual texts readings and interpretations</li> <li>Student development file (portfolio) application</li> <li>On-the-job learning and assessment (MiniPET)</li> </ul>	

## 7. "STUDENT TRAINEE REPORT" FOR RADIOLOGY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

Name:.....Surname:.....			
Student Number:		Date:...../...../.....	
I- Basic Medicine Practices	Learning Level **	Number of Applications	Teaching Staff Approve (Date)
1. Radiological anatomy recognition	1	5	
2. To explain the biological effects of radiation	1	1	
3. Describing the side effects of contrast agents used in radiology and planning their treatment	3	1*	
4. To determine the priority radiological examination according to clinical findings	3	1*	
5. To be able to distinguish the radiological views normally and pathologically	2	5*	
6. To be able to interpret the pathological radiological findings in basic systems (central nervous system, thorax, cardiovascular system, abdomen, musculoskeletal system, breast, pediatric, obstetric and gynecological)	2	5*	
7. To explain radiological emergencies according to the systems	3	5	
8. To be able to associate radiological findings with clinical information	3	5	
9. To be able to explain the pathological radiological findings in basic systems (central nervous system, thorax, cardiovascular system, abdomen, musculoskeletal system, breast, pediatric, obstetric and gynecological) within cause-effect relationships.	2	5*	
10. To be able to read and evaluate direct radiographs	3	10	
11. To be able to interpret the radiological examination results for screening and diagnostic purposes	3	10	
12. Informing the patient and getting patient approval form	1	3*	
13. To apply the principles of working with biological material	2	3	
14. To be able to provide decontamination, disinfection, sterilization, antisepsis.	2	3	
15. Hand washing	4	5	
<b>Total Basic Medicine Practice score (out of 10)</b>			
<b>II- Impression about the student - Professionalism Suitable for Physician (Assessed by Faculty Members)</b>			
Compliance with internship rules			
Adaptation to team work			
<b>Total Professionalism score (out of 10)</b>			
<b>INTERNSHIP REPORT TOTAL SCORE (out of 20 points)</b>			
Teaching Staff Date and Sign		Head of Department Date and Sign	

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

\*\*Learning Level\*\*

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

## 8. ASSESSMENT AND EVALUATION METHODS IN RADIOLOGY CLERKSHIP

ASSESSMENT AND EVALUATION METHODS IN RADIOLOGY CLERKSHIP
PRACTICAL-ORAL EXAMINATION
<ul style="list-style-type: none"> <li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (20%) <ul style="list-style-type: none"> <li>➤ <b>Basic Medicine Practices</b> (10 %).</li> <li>➤ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration. Contribution to the practice-oral exam at the end of the internship (10%).</li> </ul> </li> <li>• <b>Practical and Oral Examination:</b> It is carried out in the form of direct observation and evaluation of practical / observational and interventional skills. Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating radiological information). Total contribution to the Practical-Oral Examination (80 %)</li> <li>• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.</li> <li>• Students who fail the practical-oral examination, take the make-up exam.</li> <li>• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.</li> </ul>
THEORETICAL EXAM
<ul style="list-style-type: none"> <li>• It consists of a total of 50 multiple choice questions (evaluating clinical information and clinical decision)</li> <li>• Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.</li> <li>• Students who fail the theoretical examination, take the make-up exam.</li> </ul>
SUCCESS GRADE
<ul style="list-style-type: none"> <li>• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.</li> </ul>
MAKE-UP EXAM
<ul style="list-style-type: none"> <li>• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.</li> </ul>

## SESSION IV FAMILY MEDICINE CLERKSHIP GUIDE

<b>Code</b>	TPT-402
<b>Period</b>	2 weeks

<b>Type</b>	Elective
<b>ECTS</b>	6

### FAMILY MEDICINE CLERKSHIP- Prerequisite Courses

1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

#### REFERENCES (RESOURCE BOOK - OTHERS)

1.	Rakel Family Medicine Textbook
2.	McWhinney Essensial of Family Medicine

#### FAMILY MEDICINE CLERKSHIP- RULES FOR STUDENTS

1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the “ <b>Ataturk University Faculty of Medicine Trainee Report</b> ” which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”.
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “ <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ”. The participation link to the survey will be sent to the students by the dean's management.

#### 1. FAMILY MEDICINE CLERKSHIP- OBJECTIVE OF THE PROGRAM

##### OBJECTIVE OF THE FAMILY MEDICINE CLERKSHIP PROGRAM

1.	To teach the definition, characteristics, history and functioning of Family Medicine
2.	To teach biopsychosocial approach in Family Medicine
3.	To teach medical history and physical examination in Family Medicine
4.	To teach the necessity of keeping records, and reporting in Family Medicine
5.	To teach laboratory tests and other related procedures in Family Medicine
6.	To teach the management of common diseases in Family Medicine
7.	To teach preventive medicine applications in Family Medicine
8.	To teach health services to improve general health in family medicine
9.	To teach emergency response at primary level and to provide patient referral under appropriate conditions.
10.	To gain the knowledge, skills and professionalism characteristics determined for the internship.

#### 2. FAMILY MEDICINE CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	4	5	5	5	4	4	3	3	1	4	4	4		3	3			3	3	4

Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32							
Contribution levels	4	4	4	4	4	1	1	1											

**Contribution levels:** -:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high

### 3. LEARNING OBJECTIVES OF THE FAMILY MEDICINE CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Family Medicine clerkship period

FAMILY MEDICINE CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS		
1. Dry mouth	7. Runny nose / congestion	13. Breast lumps
2. Anemia	8. Growth-developmental retardation	14. Polydipsia
3. Anxiety	9. Mood changes	15. Polyuria
4. Fever	10. Hypertension	16. Postnasal discharge
5. Headache	11. Suicide (Thought, attempt) / Self-harm	17. Tobacco use
6. Sore throat	12. Weight gain / excess	18. Halsizlik/yorgunluk

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the “Diseases / Clinical Problems” listed below during the Family Medicine clerkship period.

FAMILY MEDICINE CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS	
LEARNING LEVELS	CLINICAL PROBLEM
In the clinical problems mentioned in the column next to;  <b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b>	1. Appendicitis 2. Hemorrhagic diseases of the newborn 3. Cardiopulmonary arrest
In the clinical problems mentioned in the column next to;  <b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert</b>	1. Sexual dysfunctions 2. Physical symptom disorders 3. Cystic fibrosis 4. Chromosome diseases (common) 5. Breast diseases and tumors 6. Secondary hypertension 7. Sleeping disorders 8. Attention deficit and hyperactivity disorder 9. Pheochromocytoma 10. Panic disorder 11. Sleep - apnea syndrome
In the clinical problems mentioned in the column next to;  <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b>	1. RH incompatibility during pregnancy 2. Depression 3. Hyperemesis gravidarum 4. Metabolic syndrome 5. Obesity 6. Newborn jaundice
In the clinical problems mentioned in the column next to;  <b>Be able to Diagnose and Treat (DT)</b>	1. Vitamin D deficiency 2. Iron deficiency anemia 3. Diabetes mellitus and complications 4. Essential hypertension 5. Conjunctivitis in newborns

	6. Upper respiratory infections 7. influenza
In the clinical problems mentioned in the column next to;  <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	1. RH incompatibility during pregnancy 2. Risky pregnancy 3. Cervical tumors 4. Metabolic disorders in newborn 5. Upper respiratory tract infections
In the clinical problems mentioned in the column next to;  <b>be able to follow up (F) in necessary cases</b>	1. Iron deficiency anemia 2. Depression 3. Diabetes mellitus and its complications 4. Essential hypertension 5. Metabolic syndrome 6. Obesity 7. Gestational diabetes

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Family Medicine clerkship period.

FAMILY MEDICINE CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	BASIC MEDICINE APPLICATIONS
Skills specified in the adjacent column;  <b>Knows</b> how to practice and <b>explains</b> the results to patients and / or relatives  <b>(LEARNING LEVEL 1)</b>	.....
Skills specified in the adjacent column;  <b>In an emergency</b> , performs the application in accordance <b>with the guide / instruction</b> <b>(LEARNING LEVEL 2)</b>	.....
Skills specified in the adjacent column;  performs pre-assessment / evaluation in <b>uncomplicated</b> , frequent, cases creates necessary plans and informs patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 3)</b>	To be able to identify risk groups in the society
Skills specified in the adjacent column;  Pre-evaluate the application including <b>complex</b> situations / cases, creates the necessary plans and informs the patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 4)</b>	1. Immunization-in childhood and adults 2. Healthy Infant Monitoring 3. Exercise and physical activity 4. Follow-up and periodic health examinations at different stages of life (pregnancy, birth, puerperium, newborn, childhood, adolescence, adulthood, old age) 5. Healthy eating 6. Pre-marriage screening program 7. Developmental hip dysplasia screening program 8. Vision screening programs 9. Hearing screening programs 10. Newborn metabolic and endocrine disease screening program 11. Periodic health examination (vision, hearing, metabolic diseases, vaccination of risky groups, cancer screening)

	12. Ability to teach breast self-examination 13. Immunization counseling 14. To be able to carry out immunization services 15. To teach the correct breastfeeding methods
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**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the “**Behavioral, Social and Humanities**” listed below during the Family Medicine clerkship period



<b>FAMILY MEDICINE CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES</b>	
	<b>2. Addiction</b> b. Tobacco
	<b>5. Environment and health interaction</b> a. Healthy nutrition and food policies
	<b>8. Difficulties in physician-patient interaction</b> a. Incompatibility / rejection to preventive and therapeutic applications (eg vaccine instability) g. Bodily symptoms triggered by somatization / psycho-social factors
	<b>9. Priority / disadvantaged groups</b> a. to. pregnant women
	<b>10. Legal and ethical situations</b> a. Professional duties and obligations b. Legal and ethical differences and dilemmas in medical practices d. The legal nature and ethical dimension of the physician-patient relationship g. Ethical situations in medical record, prescription and report writing
	<b>12. Unemployment and poverty</b> c. Individual's psycho-social well-being d. Community and family health
	<b>20. Psychological and social well-being</b> a. Health in different stages of life b. Family health, family support
	<b>25. Health conditions</b> a. Nutrition b. Physical, mental activity and exercise c. Sedentary life h. Maternal and child health j. Health promotion l. immunization p. Health scans
	<b>31. Professionalism in Medicine</b> c. Professional values, professional identity development and historical perspective, being open to professional and individual development

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Family Medicine clerkship

<b>ATTITUDES THAT SHOULD BE GAINED FOR PROFESSIONALITY DURING THE FAMILY MEDICINE CLERKSHIP</b>
<p>1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.</p> <p>2. Rights-based health approach</p> <p>3. Communication skills, communication in difficult situations, interpersonal relations and teamwork</p> <p>4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.</p> <p>5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.</p> <p>6. Patient rights, physician responsibility, patient-physician relationship.</p> <p>7. Problems and dilemmas for professionalism / ethics in health processes.</p> <p>8. Legal problems in health processes.</p>

9. Research and publication ethics.
10. Determinants of health, inequality in health, social gender and health.
11. Health systems, health policies.
12. Health economics and management.
13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.
14. Work culture in coordination with other members of the team and disciplines
15. Being able to share their knowledge and professional experience with other members of the team,

Üstteki bölüme Ekleme-çıkarma yapabilirsiniz (Lütfen uyarıyı silmeyi unutmayınız)

#### 4. FAMILY MEDICINE CLERKSHIP - WEEKLY COURSE PROGRAM

4 <sup>th</sup> CLASS FAMILY MEDICINE CLERKSHIP PROGRAM			
DAYS	TOPIC	HOURS	LECTURER
<b>1st WEEK</b>			
<b>Monday</b>	Information about the clerkship- Ethical and professional values in clinical practice	08.00-09.50	Asst.Prof. M. BAYRAKTAR
	ÇEP Teaching Targets	10.00-11.50	Asst.Prof. M. BAYRAKTAR
	Family Medicine and Management of FHS	13.30-14.20	Asst.Prof. M. BAYRAKTAR
	Family Medicine and Management of FHS	14.30-15.20	Asst.Prof. M. BAYRAKTAR
	Elective/freelance	15.30-17.00	
<b>Tuesday</b>	Pediatric physical examination and medical history	08.00-08.50	Prof. Dr. Y. ÇAYIR
	Healthy Children Follow-up1	09.00-09.50	Prof. Dr. Y. ÇAYIR
	Healthy Children Follow-up-2	10.00-10.50	Prof. Dr. Y. ÇAYIR
	Vaccines-1	11.00-11.50	Prof. Dr. Y. ÇAYIR
	Vaccines-2	13.30-14.20	Prof. Dr. Y. ÇAYIR
<b>Wednesday</b>	Newborn Care in Family Medicine	14.30-15.20	Prof. Dr. Y. ÇAYIR
	Elective/freelance	15.30-17.00	
<b>Wednesday</b>	Practices of prescription in the area	08.00-11.50	
	Elective / Freelance Work	13.30-17.00	
<b>Thursday</b>	Physical Examination in Primary Care-1	08.00-08.50	Asst.Prof. S.SİNCAN
	Physical Examination in Primary Care-2	09.00-09.50	Asst.Prof. S.SİNCAN
	Upper Respiratory Tract Infections in Primary care -1	10.00-10.50	Asst.Prof. S.SİNCAN
	Upper Respiratory Tract Infections in Primary care -2	11.00-11.50	Asst.Prof. S.SİNCAN
	Periodical Physical Examination	13.30-14.20	Asst.Prof. S.SİNCAN
	Cancer screenings in Primary Care	14.30-15.20	Asst.Prof. S.SİNCAN
<b>Friday</b>	Elective/freelance	15.30-17.00	
	Management of Diabetes in Primary Care-1	08.00-08.50	Assoc.Prof. K. TAŞTAN
	Management of Diabetes in Primary Care-2	09.00-09.50	Assoc.Prof. K. TAŞTAN
	Management of Hypertension in Primary Care-1	10.00-10.50	Assoc.Prof. K. TAŞTAN
	Management of Hypertension in Primary Care-2	11.00-11.50	Assoc.Prof. K. TAŞTAN
	Management of Depression in Primary Care-1	13.30-14.20	Assoc.Prof. K. TAŞTAN
	Management of Depression in Primary Care-2	14.30-15.20	Assoc.Prof. K. TAŞTAN
<b>Monday</b>	Elective/freelance	15.30-17.00	
	<b>2nd WEEK</b>		
	Pregnant follow up in Primary care-1	08.00-08.50	Asst.Prof. M. BAYRAKTAR
	Pregnant follow up in Primary care-2	09.00-09.50	Asst.Prof. M. BAYRAKTAR
	Interpreting Lab tests in Primary care-1	10.00-10.50	Asst.Prof. M. BAYRAKTAR
	Interpreting Lab tests in Primary care-2	11.00-11.50	Asst.Prof. M. BAYRAKTAR
	ECG in Primary care -1	13.30-14.20	Asst.Prof. M. BAYRAKTAR
	ECG in Primary care -2	14.30-15.20	Asst.Prof. M. BAYRAKTAR
	Elective/freelance	15.30-17.00	

<b>Tuesday</b>	Obesity and metabolic syndrome in Primary care -1	08.00-08.50	Prof. Dr. Y. ÇAYIR
	Obesity and metabolic syndrome in Primary care -2	09.00-09.50	Prof. Dr. Y. ÇAYIR
	Tobacco Cessation Counseling -1	10.00-10.50	Prof. Dr. Y. ÇAYIR
	Tobacco Cessation Counseling -2	11.00-11.50	Prof. Dr. Y. ÇAYIR
	Complementary feeding-1	13.30-14.20	Prof. Dr. Y. ÇAYIR
	Complementary feeding-2	14.30-15.20	Prof. Dr. Y. ÇAYIR
	Elective/freelance	15.30-17.00	
<b>Wednesday</b>	Practices of prescription in the area	08.00-11.50	
	Elective / Freelance Work	13.00-17.00	
<b>Thursday</b>	Family Medicine Description and the History	08.00-08.50	Asst.Prof. S.SİNCAN
	Medical Law in Primary care	09.00-09.50	Asst.Prof. S.SİNCAN
	Frequent prescriptions in Primary care-1	10.00-10.50	Asst.Prof. S.SİNCAN
	Frequent prescriptions in Primary care -2	11.00-11.50	Asst.Prof. S.SİNCAN
	Elective/freelance	13.30-17.00	
<b>Friday</b>	Practical Examination	08.00-12.00	Prof. Dr. Y. ÇAYIR
	Written Examination	13.30-15.30	Assoc.Prof. K. TAŞTAN Asst.Prof. M. BAYRAKTAR Asst.Prof. S.SİNCAN
	Feedbacks	15.30-17.00	Asst.Prof. M. BAYRAKTAR

## 5. MATCHING FAMILY MEDICINE CLERKSHIP COURSES WITH LEARNING OBJECTIVES

MATCHING FAMILY MEDICINE CLERKSHIP LESSONS WITH EDUCATIONAL OBJECTIVES							
Lesson Code	Lesson Topic	LECTURER	Teoretocical hour	Practical Hour	Symptoms/situations	Clinical problem	Basic Physical practice
AH4001	Information about Internship and Ethical and Professional Values in Clinical Practice	Asst.Prof. M. BAYRAKTAR	2				
AH4002	ÇEP Teaching Targets	Asst.Prof. M. BAYRAKTAR	2				
AH4003	Family Medicine and Management of ASM	Asst.Prof. M. BAYRAKTAR	2				A1,C1,C2,C3,C4,C6,C7
AH4004	Pediatric physical examination and anamnesis	Assoc.Prof. Y. ÇAYIR	2		11,15,17,20,23,29,40,54,63,92,99,100	5,12,14,30,61,62,74,91	B5,B9,B3,B9E8,E11,E40
AH4005	Physical Examination in Primary Care	Dr.. Öğr. Üyesi S.SİNCAN	2		1,5,18,25,31,43,44,52,73,115,132	19,23,39,42,50,63,7581,95	A1,B3,B11,D5,D6,D7E3,E6,E8,E11,F5
AH4006	Management of Diabetes in Primary Care	Asst.Prof. K. TAŞTAN	2		3,46,48,112,113	76,118,144,146	A1,B10,D7,D9,D10,E6
AH4007	Management of Hypertension in Primary Care	Asst.Prof. K. TAŞTAN	2		12,22,25,44	1,8,11,29,164,196	B13,D5,D9,E6,E40
AH4008	ECG in Primary care	Asst.Prof. M. BAYRAKTAR	2		25,44,56,71	14,28,167,168,174	D5,D8,E40
AH4009	Family Medicine Description and the History	Dr.. Öğr. Üyesi S.SİNCAN	1				A1,B1,B20,C1,C2,C4C6,C11
AH4010	Medical Law in Primary care	Dr.. Öğr. Üyesi S.SİNCAN	1				B18,B19,B20,C1,C2C3,C6,C10,C11
AH4011	Management of Depression in Primary Care	Asst.Prof. K. TAŞTAN	2		6,16,37,48,67,68,98	68	A1,A3,B4,B20
AH4012	Vaccines	Assoc.Prof. Y.	2		11,15,21,29	21,47,91	A1,B9,E56,E

		ÇAYIR					60,E63,F4
AH4013	Healthy Children Follow-up	Assoc.Prof. Y. ÇAYIR	2				B5,E11,F3,F11,H1,H2
AH4014	Newborn Care in Family Medicine	Assoc.Prof. Y. ÇAYIR	1				B5,D18,E20,E69,F3,F11,H1,H2,I5
AH4015	Obesity and metabolic syndrome in Primary care	Assoc.Prof. Y. ÇAYIR	2		3,9,14,24,30,56,62,69,112,113	15,76,81,101,219	B13,D5,D7,D,10,H3,H5
AH4016	Upper Respiratory Tract Infections in Primary care	Asst.Prof. S.SINCAN	2		11,13,17,20,21,48	316	A1,B15,B21
AH4017	Frequent prescriptions in Primary care	Asst.Prof. S.SINCAN	2			108,316,312	B3,B15,B21,E4
AH4018	Periodical Physical Examination	Asst.Prof. S.SINCAN	1				B3,B8,B11,B13,B16,B21,D7,E40
AH4019	Cancer screenings in Primary Care	Asst.Prof. S.SINCAN	1		5,11,14,48,77,92,94,95,96,141	7,39,50,110,180,213,230	A1,B16,D18
AH4020	Pregnant follow up in Primary care	Asst.Prof. M. BAYRAKTAR	2		13,14,20,37,48,56,72,102	67,115,121,92	B8,D17,E25
AH4021	Interpreting Lab tests in Primary care	Asst.Prof. M. BAYRAKTAR	2				D3,D6,D8,D9,D13, D17
AH4022	Tobacco Cessation Counseling	Assoc.Prof. Y. ÇAYIR	2				D4,E40,E57,H3
AH4023	Complementary feeding	Assoc.Prof. Y. ÇAYIR	2				H3,H5
AH4024	Feedbacks	Asst.Prof. M. BAYRAKTAR	1				

## 6. LEARNING METHODS OF FAMILY MEDICINE CLERKSHIP PROGRAM

LEARNING METHODS OF FAMILY MEDICINE CLERKSHIP PROGRAM	
Learning Methods Related with Knowledge:	
<ul style="list-style-type: none"> <li>Structured learning activities in clinical skill laboratories and simulated patient centers</li> <li>Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences</li> <li>On-the-job learning and assessment</li> <li>Structured case discussion</li> </ul>	
Learning Methods Related with Medical practices:	
<ul style="list-style-type: none"> <li>Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures</li> <li>Interdisciplinary learning activities (meetings, panels, group discussions)</li> <li>Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)</li> <li>Independent learning</li> </ul>	
Learning Methods Related with Professionalism	
<ul style="list-style-type: none"> <li>Interdisciplinary learning activities</li> <li>Critical situation discussions</li> <li>Reflection sessions</li> <li>Written visual texts readings and interpretations</li> </ul>	

## 7. “STUDENT TRAINEE REPORT” FOR FAMILY MEDICINE CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get

the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV FAMILY MEDICINE CLERKSHIP STUDENT TRAINEE REPORT			
Name:.....Surname:.....			
Student Number:		Date:...../...../.....	
I- Basic Medicine Practices	Learning Level**	Number of Applications	Teaching Staff Approve (Date)
<b>A. Taking Anamnesis</b>			
To be able to take general and problematic medical history	4	3*	
<b>B. Physical Examination (General and Problem-Oriented)</b>			
To make general system examination	3	3*	
Ability to perform detailed physical examination specific to the problem	3	3*	
<b>C. Registration, Reporting and Notification</b>			
Writing prescriptions	4	3*	
Record keeping in AHBS	4	3	
<b>D. Laboratory Tests and Other Related Processes</b>			
Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions	4	3	
Filling the request form for laboratory examination	4	3	
Scanning and interpreting laboratory results	3	3*	
<b>E. Interventional and Non-Interventional Applications</b>			
Injection	4	1*	
Venous blood collection	4	1	
Ability to take heel blood	4	2	
Vaccine application	4	1	
To be able to follow pregnant-puerperant-baby	4	1	
Cancer screening	4	1	
<b>I-Total Basic Medicine Practice score (out of 5 point)</b>			
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)</b>			
Teaching Staff Date and Sign		Head of Department Date and Sign	

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

\*\*Learning Level\*\*

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.

4	Performs the application* including complex situations / cases.
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\*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.

## 8. ASSESSMENT AND EVALUATION METHODS IN FAMILY MEDICINE CLERKSHIP

ASSESSMENT AND EVALUATION METHODS IN FAMILY MEDICINE CLERKSHIP
PRACTICAL-ORAL EXAMINATION
<ul style="list-style-type: none"> <li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (15%) <ul style="list-style-type: none"> <li>➤ <b>Basic Medicine Practices</b> (10%).</li> <li>➤ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).</li> </ul> </li> <li>• <b>Oral Examination:</b> Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85%)</li> <li>• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.</li> <li>• Students who fail the practical-oral examination, take the make-up exam.</li> <li>• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.</li> </ul>
THEORETICAL EXAM
<ul style="list-style-type: none"> <li>• It consists of a total of 100 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision)</li> <li>• Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.</li> <li>• Students who fail the theoretical examination, take the make-up exam.</li> </ul> <p>Sınavınızda çoktan seçmeli ve/veya yazılı sınav sorusu konusunda bilgi veriniz. Lütfen silmeyi unutmayınız)</p>
SUCCESS GRADE
<ul style="list-style-type: none"> <li>• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.</li> </ul>
MAKE-UP EXAM
<ul style="list-style-type: none"> <li>• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.</li> </ul>

## SESSION IV CLINICAL PHARMACOLOGY CLERKSHIP GUIDE

<b>Code</b>	STJ-452
<b>Period</b>	2 weeks

<b>Type</b>	Elective
<b>ECTS</b>	3

### CLINICAL PHARMACOLOGY CLERKSHIP- Prerequisite Courses

<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committees in session 2 and 3

### REFERENCES (RESOURCE BOOK - OTHERS)

<b>1.</b>	Oğuz Kayaalp Medical Pharmacology Book (volumes 1 and 2)
<b>2.</b>	Goodman Gilman Pharmacology Book
<b>3.</b>	Lippincott's Illustrated Reviews Pharmacology Book
<b>4.</b>	Katzung and Trevor Pharmacology Book

### CLINICAL PHARMACOLOGY CLERKSHIP- RULES FOR STUDENTS

<b>1</b>	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
<b>3</b>	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
<b>4</b>	Students are obliged to keep the “ <b>Ataturk University Faculty of Medicine Trainee Report</b> ” which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
<b>5</b>	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
<b>6</b>	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”.
<b>7</b>	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “ <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ”. The participation link to the survey will be sent to the students by the dean's management.

### 1. CLINICAL PHARMACOLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

#### OBJECTIVE OF THE CLINICAL PHARMACOLOGY CLERKSHIP PROGRAM

<b>1.</b>	To gain awareness and skill of rational drug and personal drug selection
<b>2.</b>	To gain rational prescribing skills
<b>3.</b>	To raise awareness about drug interactions and adverse effects of drugs
<b>4.</b>	To inform about drug application methods
<b>5.</b>	To raise awareness about drug poisoning and its treatment
<b>6.</b>	To gain the knowledge, skills and professionalism characteristics determined for the internship.

### 2. CLINICAL PHARMACOLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”



Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	5	5	5	4	3	5	5	5	3	5	5	5	3	3	3	5	3	3	5	5
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levelsvbc	5	5	5	5	5	5	5	5	5	5	5	5								

**Contribution levels:** -:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high

### 3. LEARNING OBJECTIVES OF THE CLINICAL PHARMACOLOGY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Clinical Pharmacology clerkship period

CLINICAL PHARMACOLOGY CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS					
1.	Fever	12	Movement restriction in joints	23	Immobilization
2.	Headache	13	Cough	24	Suicidal ideation / attempt
3.	Nausea-vomiting	14	Weight gain	25	Fatigue and tiredness
4.	Joint pain / swelling	15	Weight loss	26	Cognitive impairment and forgetfulness
5.	Mood changes	16	Runny nose / congestion	27	Problems with sleep
6.	Fatigue	17	Legal situations / responsibilities	28	Tobacco use
7.	Abdominal pain	18	provision of health services in Turkey	29	Learning difficulties
8.	Hypertension	19	Health systems and economy	30	Decreased reasoning ability
9.	Polyuria	20	Neuropathic pain	31	Sexual dysfunction
10.	Polydipsia	21	Risk management and malpractice	32	Dizziness
11.	Sore throat	22	Appetite disorder	33	Hypotension

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the “Diseases / Clinical Problems” listed below during the Clinical Pharmacology clerkship period.

CLINICAL PHARMACOLOGY CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS	
LEARNING LEVELS	CLINICAL PROBLEM
In the clinical problems mentioned in the column next to;  <b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b>	1. Schizophrenia and other psychotic disorders 2. Nausea and Vomiting 3. Essential hypertension 4. Drug side effects 5. Diabetes mellitus and its complications 6. Iron deficiency anemia
In the clinical problems mentioned in the column next to;  <b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert</b>	7. Schizophrenia and other psychotic disorders 8. Secondary hypertension
In the clinical problems mentioned in the column next to;  <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary</b>	9. Depression 10. Drug side effects



<b>preliminary procedures</b>	
In the clinical problems mentioned in the column next to; <b>Be able to Diagnose and Treat (DT)</b>	11 Nausea and Vomiting 12. Essential hypertension 13. Upper respiratory tract infections 14. Osteoarthritis 15. Diabetes mellitus and its complications 16. Iron deficiency anemia
In the clinical problems mentioned in the column next to; <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	7 Nausea and Vomiting 8. Diabetes mellitus and its complications 9. Upper respiratory tract infections 10. Essential hypertension 11. Depression 12. Drug side effects 13. Osteoarthritis 14. Iron deficiency anemia 15. Schizophrenia and other psychotic disorders
In the clinical problems mentioned in the column next to; <b>be able to follow up (F) in necessary cases</b>	6. Nausea and vomiting 7. Essential hypertension 8. Medication side effects 9. Depression 10. Osteoarthritis 11. Diabetes mellitus and its complications 12. Iron deficiency anemia

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Clinical Pharmacology clerkship period.

<b>CLINICAL PHARMACOLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS</b>	
<b>LEARNING LEVELS</b>	<b>BASIC MEDICINE APPLICATIONS</b>
Skills specified in the adjacent column; performs pre-assessment / evaluation in <b>uncomplicated</b> , frequent, cases creates necessary plans and informs patients and their relatives <b>and does the application (LEARNING LEVEL 3)</b>	1. To be able to prepare the drugs to be applied correctly 2. To be able to perform oral, rectal, vaginal and topical drug applications 3. To be able to reach current literature information and to read it critically 4. Ability to take psychiatric history 5. Consciousness assessment and mental state examination
Skills specified in the adjacent column; Pre-evaluate the application including <b>complex</b> situations / cases, creates the necessary plans and informs the patients and their relatives <b>and does the application (LEARNING LEVEL 4)</b>	6. General situation and evaluation of vital signs 7. To be able to take general and problematic stories 8. To be able to issue a recipe 9. Rational drug use 10. To be able to evaluate mental state

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the Clinical Pharmacology clerkship period

<b>CLINICAL PHARMACOLOGY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES</b>	

	2. Addiction <ul style="list-style-type: none"> <li>a. Alcohol</li> <li>b. Tobacco</li> <li>c. Matter</li> <li>d. Behavioral addiction (gambling, shopping, technological, internet addiction)</li> <li>e. Familial and social burden due to addiction</li> </ul>
	3. Scientific research methods and ethics <ul style="list-style-type: none"> <li>e. Research ethics, violations and legal aspects</li> </ul>
	8. Difficulties in physician-patient interaction <ul style="list-style-type: none"> <li>b. Overly demanding patient</li> <li>d. Resistant patient</li> <li>e. Failure (use of health service by acting as a patient to gain interest)</li> </ul>
	11. Legal and ethical situations <ul style="list-style-type: none"> <li>a. Professional duties and obligations</li> <li>g. Ethical situations in medical record, prescription and report writing</li> </ul>
	12. Unemployment and poverty <ul style="list-style-type: none"> <li>c. Individual's psycho-social well-being</li> </ul>
	23. Health practices require self-criticism <ul style="list-style-type: none"> <li>g. Extreme medical practices</li> </ul>
	24. Health management <ul style="list-style-type: none"> <li>c. Health economy</li> </ul>

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Clinical Pharmacology clerkship

ATTITUDES THAT SHOULD BE GAINED FOR <i>PROFESSIONALITY</i> DURING THE CLINICAL PHARMACOLOGY CLERKSHIP	
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.	
2. Rights-based health approach	
3. Communication skills, communication in difficult situations, interpersonal relations and teamwork	
4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.	
5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.	
6. Patient rights, physician responsibility, patient-physician relationship.	
7. Problems and dilemmas for professionalism / ethics in health processes.	
8. Legal problems in health processes.	
9. Research and publication ethics.	
10. Determinants of health, inequality in health, social gender and health.	

11. Health systems, health policies.

12. Health economics and management.

13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.

Üstteki bölüme Ekleme-çıkarma yapabilirsiniz (Lütfen uyarıyı silmeyi unutmayınız)

#### 4. CLINICAL PHARMACOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

SESSION IV CLINICAL PHARMACOLOGY CLERKSHIP- WEEKLY COURSE PROGRAM			
Monday	1.Week		
	Information About Internship And Ethical And Professional Values In Clinical Practices	08.00-09.50	Assistant professor Ufuk Okkay
	Rational Use of Medicine and Prescription Knowledge	10.00-11.50	Assistant professor Ufuk Okkay
	K (personal) Drug selection and making a K table	13.00-14.50	Assistant professor Duygu Köse
Tuesday	Clinical Pharmacology	15.00-16.50	Assistant professor Duygu Köse
	Rational Use of Antibiotics	08.00-11.50	Prof.Dr. Zekai Halıcı
Wednesday	Autonomic Nervous System Pharmacology	13.00-16.50	Prof.Dr. Ahmet Hacımüftüoğlu
	Prescribing Practices of Common Diseases in the Field	08.00-11.50	
Thursday	Elective / Freelance Work	13.00-16.50	
	Nausea-Vomiting Treatment (Case-based learning session)	08.00-11.50	Prof.Dr. Elif Çadırcı
Friday	Osteoarthritis Treatment (Case-based learning session)	13.00-16.50	Prof.Dr. Abdülmecit Albayrak
	Diabetes Mellitus Treatment (Case-based learning session)	08.00-11.50	Associate professor. Erol Akpınar
Monday	Major Depression Treatments (Case-based learning session)	13.00-16.50	Assistant professor Ufuk Okkay
	2. Week		
Tuesday	Acute Tonsillitis Treatment (Case-based learning session)	08.00-11.50	Assistant professor Duygu Köse
	Anemia Treatment (Case-based learning session)	13.00-16.50	Prof.Dr. Elif Çadırcı
Wednesday	Peptic Ulcer Treatment (Case-based learning session)	08.00-11.50	Prof.Dr. Abdülmecit Albayrak
	Sinusitis Treatment (Case-based learning session)	13.00-16.50	Prof.Dr. Zekai Halıcı
Thursday	Psychosis Treatment (Case-based learning session)	08.00-11.50	Prof.Dr. Ahmet Hacımüftüoğlu
	Hypertension Treatment (Case-based learning session)	13.00-16.50	Associate professor. Erol Akpınar
Friday	Prescribing Practices of Common Diseases in the Field	08.00-11.50	
	Elective Freelance Work	13.00-16.50	
Saturday	Oral examination	08.00-12.00	
	Written examination	13.00-15.00	

	Internship Feedback	15.00-17.00	Head of internship
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## 5. MATCHING CLINICAL PHARMACOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

MATCHING CLINICAL PHARMACOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptoms / Conditions	Clinical problem	Basic Medical Practices	Behavioral, Social and Humanities
CP001	Information About Internship and Ethical and Professional Values in Clinical Practices	Dr. Öğretim Üyesi Ufuk Okkay	2		17, 18, 19, 20, 21	4	1, 2, 3, 6, 7, 8, 9	3e, 8b, 8d, 8e, 11.a, 11g, 24c
CP002	Rational Drug Use and Prescription Information	Dr. Öğretim Üyesi Ufuk Okkay	2		17, 18, 19, 2, 21	4	1, 2, 3, 6, 7, 8, 9	11a, 11g, 23g, 24c
CP003	K (personal) Drug selection and K table construction	Dr. Öğretim Üyesi Duygu Köse	2		17, 18, 19, 2, 21	4	1, 2, 3, 6, 7, 8, 9	11a, 11g, 23g, 24c
CP004	Clinical Pharmacology	Dr. Öğretim Üyesi Duygu Köse	2		17, 18, 19, 2, 21	4	1, 2, 3, 6, 7, 8, 9	11a, 11g, 23g, 24c
CP005	Rational Antibiotic Use	Prof.Dr. Zekai Halıcı	4		17, 18, 19, 2, 21	4, 10	1, 6, 7, 8, 9	23g, 24c
CP006	Autonomic Nervous System Pharmacology	Prof.Dr. Ahmet Hacımüftüoğlu	4		2, 5	4	1, 6, 7, 8, 9	
CP007	Nausea-Vomiting Treatment (Case-based learning session)	Prof.Dr. Elif Çadırcı	4		3	2	1, 6, 7, 8, 9	
CP008	Treatment of Osteoarthritis (Case-based learning session)	Prof.Dr. Abdülmecit Albayrak	4		4, 12	11	1, 6, 7, 8, 9	
CP009	Diabetes Mellitus Treatment and Complications (Case-based learning session)	Doç.Dr. Erol Akpınar	4		9, 10, 20	5	1, 6, 7, 8, 9	
CP 10	Major depression (Case-based learning session)	Dr. Öğretim Üyesi Ufuk Okkay	4		5, 6, 14, 15, 22, 23, 24, 25	9	1, 4, 5, 6, 7, 8, 9, 10	2a, 2b, 2c, 2d, 2e, 12c
CP011	Acute Tonsillitis Treatment (Case-based learning session)	Dr. Öğretim Üyesi Duygu Köse	4		1, 2, 6, 11	10	1, 6, 7, 8, 9	
CP012	Anemia Treatment (Case-based learning session)	Prof.Dr. Elif Çadırcı	4		2, 6, 32, 33	6	1, 6, 7, 8, 9	
CP013	Peptic Ulcer Treatment (Case-based learning session)	Prof.Dr. Abdülmecit Albayrak	4		3, 7, 15	2	1, 6, 7, 8, 9	
CP014	Sinusitis Treatment (Case-based learning session)	Prof.Dr. Dr. Zekai Halıcı	4		1, 2, 13, 16	10	1, 6, 7, 8, 9	
CP015	Psychosis Treatment (Case-based learning session)	Prof.Dr. Ahmet Hacımüftüoğlu	4		5, 22, 23, 24, 25, 26, 27, 28, 29,	1	1, 4, 5, 6, 7, 8, 9, 10	2a, 2b, 2c, 2d, 2e, 12c

	session)				30, 31			
<b>CP016</b>	Hypertension Treatment (Case-based learning session)	Doç.Dr. Erol Akpınar	4		2, 6, 8	3	1, 6, 7, 8, 9	
<b>CP17</b>	Feedback meeting after clerkship	Head of Clerkship	2					

## 6. LEARNING METHODS OF CLINICAL PHARMACOLOGY CLERKSHIP PROGRAM

LEARNING METHODS OF CLINICAL PHARMACOLOGY CLERKSHIP PROGRAM	
Learning Methods Related with Knowledge:	
<ul style="list-style-type: none"> <li>Classroom lecture / presentation: Lecture, tutorial presentation, interactive lecture / classroom lectures</li> <li>Interdisciplinary learning activities (meetings, panels, group discussions)</li> <li>Case / problem-based interactive learning activities carried out with small groups (problem-based learning, case discussion, clinical tutorials, etc.)</li> <li>Independent learning</li> <li>Multidisciplinary laboratory practices</li> <li>Project / research based learningCommunity based learning activities (observing health risks in the service provision in primary health care institutions, home, visits, etc)</li> </ul>	
Learning Methods Related with Medical practices:	
<ul style="list-style-type: none"> <li>Multidisciplinary laboratory practices</li> <li>On-the-job learning and assessment</li> <li>Structured case discussion</li> </ul>	
Learning Methods Related with Professionalism	
<ul style="list-style-type: none"> <li>Interdisciplinary learning activities (meetings, panels, forums, group discussions)</li> <li>Critical situation discussions</li> <li>Gamification, psychodrama</li> <li>Written visual text / readings, interpretations</li> </ul>	

## 7. “STUDENT TRAINEE REPORT” FOR CLINICAL PHARMACOLOGY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV CLINICAL PHARMACOLOGY CLERKSHIP STUDENT TRAINEE REPORT			
Name:.....Surname:.....			
Student Number:		Date:...../...../.....	
I- Basic Medicine Practices	Learning Level**	Number of Applications	Teaching Staff Approve (Date)
A. To organize a recipe	4	5	
B. Rational drug selection	4	5	
I-Total Basic Medicine Practice score (out of 5 point)			
II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)			
Adaptation to team work			
Compliance with internship rules			
Total Professionalism score (out of 5 point)			
III- Clinical Problem Solving (out of 5) (Given from the performance shown in Case Based Learning sessions)			
TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)			
Teaching Staff Date and Sign		Head of Department Date and Sign	

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

\*\*Learning Level\*\*

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.

\*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.

## 8. ASSESSMENT AND EVALUATION METHODS IN CLINICAL PHARMACOLOGY CLERKSHIP

ASSESSMENT AND EVALUATION METHODS IN CLINICAL PHARMACOLOGY CLERKSHIP	
PRACTICAL-ORAL EXAMINATION	
<ul style="list-style-type: none"> <li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (15%) <ul style="list-style-type: none"> <li>➤ <b>Basic Medicine Practices</b> (5 %).</li> <li>➤ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).</li> <li>➤ <b>Clinical Problem Solving</b> (Given from the performance shown in <b>Case Based Learning sessions</b>) (out of 5)</li> </ul> </li> <li>• <b>Practical Exam:</b> It is carried out in the form of direct observation and evaluation of the construction of the personal medicine table. Contribution to practice-oral exam at the end of the internship (15%)</li> <li>• <b>Oral Examination:</b> Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %)</li> <li>• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.</li> <li>• Students who fail the practical-oral examination, take the make-up exam.</li> <li>• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam.</li> </ul>	
THEORETICAL EXAM	
<ul style="list-style-type: none"> <li>• It consists of a total of 50 multiple choice and 10 written questions.</li> <li>• Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.</li> <li>• Students who fail the theoretical examination, take the make-up exam.</li> </ul>	
SUCCESS GRADE	
<ul style="list-style-type: none"> <li>• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.</li> </ul>	
MAKE-UP EXAM	
<ul style="list-style-type: none"> <li>• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.</li> </ul>	

## SESSION V - PULMONARY DISEASES TRAINEE PROGRAM

<b>Code of Trainee</b>	TPT-507
<b>Trainee Duration</b>	Three weeks

<b>Type of Trainee</b>	Compulsory
<b>ECTS</b>	5

### YEAR V- PULMONARY DISEASE PRACTICE PRE-CONDITIONS

<b>1</b>	Having taken pre-clinical courses
<b>2</b>	Having taken the courses in the relevant board(s) in year 3

### RESOURCES (COURSE BOOK-AUXILIARY RESOURCES)

<b>1</b>	Orhan Arseven, Basic Lung Health and Diseases
<b>2</b>	Richard A. Bordow, Manual of Clinical Problems in Pulmonary Medicine
<b>3</b>	

### RULES THAT MUST BE FOLLOWED BY THE TRAINEES

<b>1</b>	Training hours are between 8.00 AM and 5.00 PM in weekdays
<b>2</b>	Students require to attend trainee program and exams in a clean and well-groomed manner, wearing white gowns and badges.
<b>3</b>	The first lecture includes introduction of the program. The instructor in charge of the program informs the students about the purpose of the program, learning objectives, scope (symptoms / findings, core diseases/clinical problems, basic medical practices, attitudes and behaviors), the curriculum, assessment-evaluation methods and the rules to be followed in the program.
<b>4</b>	Trainees must keep the records of knowledge, skills and attitudes of the trainee prepared in accordance with the objectives and qualifications of the trainee program and approve the trainee manager and deliver them to the Department for the purpose of evaluation at the end of the program.
<b>5</b>	Students should attend the main scientific events organized by the Pulmonary Disease Department.
<b>6</b>	<b>In order to be successful at the end of the program</b> ; trainee students requires a score at least 60 from each exams (including practice/oral exam and written exam) The necessary conditions for the success of the exam are stated in the "Atatürk University Faculty of Medicine Teaching and Exam Application Principles" .
<b>7</b>	At the end of the program, feedback will be received from all students verbally and written. Verbal feedback is given to the department; but written feedback will be made on following web address " <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ". The link for participation in the survey will be sent to the students by the Dean's Office.

### 1 . PULMONARY DISEASES TRAINEE CLERKSHIP- OBJECTIVE OF THE PROGRAM

#### THE AIM OF PULMONARY DISEASES TRAINEE PROGRAM

<b>1.</b>	To be able to make a pre-diagnosis / diagnosis by evaluating the anatomy, physiological characteristics of the respiratory system, the symptoms and signs of the diseases that affect them
<b>2.</b>	To be able to define emergencies for chest diseases and make their emergency treatment
<b>3.</b>	To create and apply a treatment plan in clinical situations required within the scope of education level criteria
<b>4.</b>	To be able to provide referral in necessary cases after emergency intervention and treatment



5.	To be able to demonstrate protective and rehabilitative approaches in respiratory system diseases
6.	To gain knowledge, skills and professionalism characteristics determined for the program.

## 2 . PULMONARY DISEASES TRAINEE - LEARNING OUTCOMES

Levels of Contribution to Atatürk University Faculty of Medicine Undergraduate Medical Education Program Qualifications

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	4	5	4	3	3	4	3	4	2	3	4	4	3	3	3	3	4	3	1	3
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levelsvbc	3	4	3	3	3	1	4	5	4	4	4	4								

**Contribution Level:** 1 Very low 2 Low 3 Medium 4 High 5 Very high

## 3. LEARNING OBJECTIVES OF THE PULMONARY DISEASES TRAINEE PROGRAM

**A. Common presentations:** Year V-Pulmonary Diseases Trainee Program in which given the list below symptoms/clinical conditions, forensic/psychosocial conditions, wellness situation and environmental/global competencies related to global conditions are expected to be recovered.

PULMONARY DISEASES TRAINEE PROGRAM SYMPTOMS/FINDINGS LIST					
1.	Apnea	9.	Hemoptysis *	17.	Edema*
2.	Fever*	10.	Wheezing (wheezing ) *	18.	Cough / sputum production *
3.	Palpitation*	11.	Hypotension*	19.	Syncope *
4.	Clubbing	12.	Hypothermia / hyperthermia	20.	Hoarseness *
5.	Dyspnea *	13.	Snore	21.	Cyanosis
6.	Chest pain *	14.	Immobilization	22.	Tobacco use
7.	Chest wall anomalies	15.	Weight loss	23.	Sleep problems *
8.	Asthenia / fatigue *	16.	Lymphadenopathy *	24.	(Left/Right) sided chest pain *

**B. Gaining Knowledge:** During the Year V-Pulmonary Diseases Trainee Program, it is expected to **have** knowledge at **the levels specified in** the "**Diseases / Clinical Problems** " listed below .

LEARNING LEVELS OF CLINICAL PROBLEM DURING THE PULMONARY DISEASES TRAINEE PROGRAM	
LEARNING LEVELS	CLINICAL PROBLEM
In clinical problems specified in the adjacent column ; <b>They should be able to define the emergency (A) and make the emergency treatment, and refer them to a specialist when necessary</b>	1. Acid-Base Balance Disorders 2. Asthma 3. COPD 4. Pulmonary Embolism 5. Respiratory Failure 6. ARDS
In clinical problems specified in the adjacent column ; <b>He / she should be able to make the necessary preliminary procedures and refer them to the specialist</b>	1. Lung tumors 2. Bronchiectasis Abscess 3. Interstitial Lung Diseases 4- Hydatid Disease (Parasitic Lung Diseases ) 5. Occupational Lung Diseases 6. Pleural Diseases 7. Pulmonary Hypertension 8. Sleep Apnea Syndrome

In clinical problems specified in the adjacent column ; <b>He / she should be able to diagnose (T) and have knowledge about treatment, make the necessary preliminary procedures and direct them to the specialist</b>	
In clinical problems specified in the adjacent column; <b>It should be able to diagnose and treat (TT)</b>	<ol style="list-style-type: none"> <li>1. Pulmonary Tuberculosis</li> <li>2. Asthma</li> <li>3. COPD</li> <li>4. Pneumonic on</li> </ol>
In clinical problems specified in the adjacent column; <b>Must be able to apply protection measures (K) (which is / are suitable from primary, secondary and tertiary protection)</b>	<ol style="list-style-type: none"> <li>1. Lung Tumors</li> <li>2. Pulmonary Tuberculosis</li> <li>3. Asthma</li> <li>4. Bronchiectasis and Abscess</li> <li>5. COPD</li> <li>6. Occupational Lung Diseases</li> <li>7. Pneumonic on</li> <li>8. Pulmonary Embolism</li> </ol>
The problems in the adjacent column should be able to monitor the necessary cases (I)	<ol style="list-style-type: none"> <li>1. Pulmonary tuberculosis</li> <li>2. Asthma</li> <li>3. Bronchiectasis and Abscess</li> <li>4. COPD</li> <li>5. Occupational Lung Diseases</li> <li>6. Pulmonary Embolism</li> </ol>

**C. Skills:** During year V-Pulmonary Diseases Trainee Program, it is expected to acquire the capability to implement on given the list below **"Basic medicine practices"** in the **designated level**.

LEARNING LEVEL OF BASIC MEDICAL PRACTICES DURING THE PULMONARY DISEASES TRAINEE PROGRAM	
LEARNING LEVEL	BASIC MEDICAL PRACTICES DURING THE PULMONARY DISEASES TRAINEE PROGRAM
In the skills specified in the adjacent column; Knows how the application is done and explains the results to the patients and / or their relatives ( <b>Learning Level 1</b> )	<ol style="list-style-type: none"> <li>1. Bronchoscopy</li> </ol>
In the skills specified in the adjacent column ; In an emergency, he / she applies in accordance with the guide / instruction ( <b>Learning Level 2</b> ) .	<ol style="list-style-type: none"> <li>1. Pleural puncture (Thoracentesis)</li> <li>2. To be able to perform respiratory function test</li> </ol>
The skills specified in the adjacent column; <b>uncomplicated</b> , common, cases / preliminary assessment of cases / assessment is done, you will create the necessary plans and patients to inform their relatives and makes the application ( <b>Learning Level 3</b> ) .	<ol style="list-style-type: none"> <li>1. Arterial Blood gas interpretation</li> <li>2. Taking arterial blood gas</li> <li>3. To be able to deliver oxygen and nebulizer and inhaler therapy</li> <li>4. Ability to apply and evaluate pulse oximetry</li> <li>5. To be able to apply and evaluate the PPD test</li> </ol>
The skills specified in the adjacent column; Makes the preliminary assessment / evaluation of the application	<ol style="list-style-type: none"> <li>1. Taking general and problem-oriented stories</li> <li>2. Respiratory system examination</li> <li>3. Writing a prescription</li> </ol>

including <b>complex situations</b> / cases, creates the necessary plans, informs the patients and their relatives and makes the application ( <b>Learning Level 4</b> ) .	4. Preparing a patient file 5. Using and evaluating the peak-flow meter 6. Interpreting chest x-ray
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**D. In terms of Behavioral and Social Sciences and Humanities:** During year V-Pulmonary Diseases Trainee Program, on given the list below covering "**Behavioral and Social Sciences and Humanities**", having sensibility, knowledge and skills is expected.

<b>Pulmonary Diseases Trainee Program Behavioral, Social and Human Sciences Situations List</b>	
2. Addiction	b . Tobacco
3. Scientific research methods and ethics	b . Evidence-based medicine practices
4. Work and health interaction	a . Occupational diseases
5. Environment and health interaction	d . Environmental diseases e . Exposure to harmful environmental factors (air pollution, chemicals, etc.) k . Fight against communicable diseases in the community
8. Difficulties in physician-patient interaction	a . Non-compliance / rejection of preventive and therapeutic practices (e.g. vaccine instability) b . The extremely demanding patient c . Manipulative patient d . Resistant patient e . Malingering (using healthcare by pretending to be a patient to gain benefit) g . Somatization / somatic symptoms triggered by psycho- social factors i . Challenges with intercultural communication
9. Physician's well-being	d . Sense of belonging e . Durability f . Physical and mental health
10. Legal and ethical situations	a . Professional duties and obligations e . Informed consent and specific cases b . Patient rights and responsibilities c . Physician rights and responsibilities

**E . In terms of Professionalism :** During year V-Pulmonary Diseases Trainee Program, acquisition of the list given below is expected.

<b>THE ATTITUDES TO BE ACHIEVED IN TERMS OF PROFESSIONALITY DURING THE PULMONARY DISEASES TRAINEE PROGRAM</b>	
1.	Holistic approach to health ( bio - psycho - social and cultural approach), patient - centered approach , community oriented medicine .
2.	Rights based health approach.
3.	Communication skills, communication in difficult situations, interpersonal relationships and teamwork.
4.	Medicine and history of thought / values, physician identity and consciousness, medical roles and limits.
5.	Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.
6.	Patient rights, physician responsivity, patient - physician relationship.
7.	Professional / ethical problems and dilemmas in health processes.
8.	Legal problems in health processes.
9.	Research and publication ethics.
10.	Determinants of health, health inequality, gender and health.
11.	Health systems, health policies.
12.	Health economics and management.
13.	Reflective thinking and practice, continuous personal and professional development, education and consultancy.
14.	A culture of working in coordination with healthcare professionals, other members of the team and disciplines”
15.	To be able to share knowledge and professional experience with other members of the team ,

#### 4. PULMONARY DISEASES TRAINEE - WEEKLY COURSE PROGRAM

PULMONARY DISEASES TRAINEE - WEEKLY COURSE PROGRAM			
Days	Subject of The Lesson	Lesson Time	Teaching Staff
Monday	I. Week		
	Informing about internship and Ethical and Professional Values in Clinical Practice	09:00-10:00	Prof.Dr. Ömer ARAZ
	Normal Lung Radiography	13:30-15:30	
	Case-Based Learning (CBL) Session 1	15.30-16.30	
Tuesday	Visit	09:00-10:00	Prof.Dr. Metin AKGUN Prof.Dr. Ömer ARAZ Prof.Dr. Leyla SAĞLAM
	Pulmonary Function Test	10:00-12:00	
	Pathological Lung Graphs	13:30-14:30	
	Arterial Blood Gas	14:30-16:30	
Wednesday	VISIT	09:00-10:00	Prof.Dr.Ömer ARAZ  Prof.Dr.Metin AKGÜN
	sleep-disordered breathing	10:00-12:00	
	Seminar	12.30-13.30	
	COPD	13:30-16:30	
Thursday	Visit	09:00-10:00	Asst.Prof. Bugra KERGET Prof.Dr. Metin AKGUN
	Tuberculosis-I	10:00-12:00	
	Occupational Lung Diseases	13:30-16:30	
Friday	Visit	09:00-10:00	Asst.Prof. Bugra KERGET  Prof.Dr. Ömer ARAZ
	Tuberculosis- II	10.00-11.00	
	thoracic council	12.30-13.30	
	Pleural Diseases	13:30-16:30	
Monday	II. Week		

	Visit Community Acquired Pnomonia Chest Diseases Emergencies Case-Based Learning (CBL) Session 2	09:00-10:00 10:00-12:00 13:30-15:30 15:30-16:30	Asst.Prof.Buğra KERGET Prof.Dr.Elif Y.UÇAR
<b>Tuesday</b>	Visit Pulmonary Hypertension Lung Tumors	09:00-10:00 10:00-12:00 13:30-16:30	Prof. Dr.Elif Y.UÇAR Prof.Dr.Leyla SAĞLAM
<b>Wednesday</b>	VISIT Parasitic Lung Diseases Seminar Pulmonary Thromboembolism	09:00-10:00 10:00-12:00 12.30-13.30 13:30-17:00	Prof.Dr.Mehmet MERAL Prof.Dr.Elif Y.UÇAR
<b>Thursday</b>	Visit ARDS Practice	09:00-10:00 10:00-12:00 13:30-16:30	Asst.Prof.Bugra KERGET
<b>Friday</b>	Visit Lung Abscess and Bronchiectasis thoracic council Asthma	09:00-10:00 10:00-12:00 12.30-13.30 13:30-16:30	Prof.Dr. Mehmet MERAL Prof.Dr. Elif Y. UÇAR
<b>III. Week</b>			
<b>Monday</b>	Visit Case-Based Learning (CBL) Session 1 Occupational Lung Diseases	09:00-10:00 10:00-12:00 13.30-16:30	Prof.Dr.Metin AKGÜN
<b>Tuesday</b>	Visit mediastinal diseases Diffuse Parenchymal Lung Diseases and Sarcoidosis	09:00-10:00 10:00-12:00 13:30-16:30	Prof.Dr.Mehmet MERAL Prof.Dr.Metin AKGÜN
<b>Wednesday</b>	Visit Acute Respiratory Failure Seminar Smoking and Lung	09:00-10:00 10:00-12:00 12.30-13.30 13:30-16:30	Prof.Dr. Mehmet MERAL Prof.Dr. Leyla SAĞLAM
<b>Thursday</b>	Practical exam		
<b>Friday</b>	Oral and written exam		

## 5. MATCHING PULMONARY DISEASES TRAINEE COURSES WITH LEARNING OBJECTIVES

PULMONARY DISEASES TRAINEE PROGRAM LEARNING OBJECTIVES PAIRING							
Lesson code	The subject of the lecture	Faculty	Theoretical Hours	Practical Hours	Core Diseases / Clinical problem	Clinical Symptom / Finding / Condition	Basic Medical Practices
GH 1	Lung Tumors	Prof. Dr. Leyla SAĞLAM	2		PreD, C	33, 44, 48, 52, 83, 92, 105, 122, 132, 7	A1, B21, C7, D4
GH 2	Arterial Blood Gas Assessment (Acid-Base Balance Disorders)	Prof. Dr. Leyla SAĞLAM	2		E	25, 33, 48, 57, 102, 123, 34	A1, B21, C7, D10, E6
GH 3	Tobacco Use and Lung	Prof. Dr. Leyla SAĞLAM	2		C	25, 33, 48, 60, 83, 105, 122, 132, 7, 155, 200	A1, B21, C7, C9, D4

GH 4	Bronchiectasis and Lung Abscess	Prof. Dr. Mehmet MERAL	2	-	Pre-D, C, F	11, 27, 33, 48, 52, 54, 83, 105.123	A1, B21, C5, C7, C9, D4, D10, D18, E6, E21, E40, E50, E57, E61
GH 5	Hydatid Cyst and Parasitic Lung Diseases	Prof. Dr. Mehmet MERAL	1	-	Pre-D, C	33, 44, 48, 83, 105, 123	A1, B21, C5, C7, C9, D4, D18, E21, E55
GH 6	Respiratory Failure	Prof. Dr. Mehmet MERAL	1	-	E	9, 25, 33, 54, 57, 121, 123	A1, B21, C5, C7, D4, E6, E35, E36, E40, E50, E57
GH 7	Pulmonary Embolism	Prof. Dr. Elif Y. UÇAR	1	-	E, C, F	33, 44, 52, 121, 57	A1, B9, B21, C7, C9, E50, E57
GH 8	Pulmonary Hypertension	Prof. Dr. Elif Y. UÇAR	3	-	Pre-D	33, 44, 48	A1, B13, B21, C7, D4, D5, E6, E57
GH 8	Asthma	Prof. Dr. Elif Y. UÇAR	3	-	D&T, E, C, F	33, 54, 105	A1, B21, C7, C9, D4, D12, D6, E50, E57, E61
GH 9	Chest Diseases Emergencies / Poisoning / Foreign body aspiration	Prof. Dr. Elif Y. UÇAR	3	-	E, C	44.33, 15, 33, 123, 33, 123	A1, B21, C7, D4, E32, E50, E57, A1, B21, C7, C9, D4, E6, E22, E50, E57, A1, B21, C7, C9, D4, E6, E12, E50, E57
GH 12	Interstitial Lung Diseases	Prof. Dr. Metin AKGÜN	1	-	Pre-D, C	27, 33, 105, 123	A1, B21, C7, D4, E6, E61
GH 13	COPD	Prof. Dr. Metin AKGÜN	3	-	D&T, C, F	30, 33, 48, 54, 105, 123, 132	A1, B21, C7, C9, CD4, D46, E50, E57, E61
GH 14	Occupational Lung Diseases	Prof. Dr. Metin AKGÜN	3	-	PRE-D, C, F	33.105	A1, B21, C11, D4, E61, F9
GH 15	PFTS	Prof. Dr. Metin AKGÜN	2	1	Level 3	33.105	E61, F9
GH 16	Pleural Diseases	Prof. Dr. Ömer ARAZ	2		Pre-Diagnosis	33, 44, 105, 139	A1, B21, C7, D4, E55, E56
GH 17	Sleep Apnea Syndrome	Prof. Dr. Ömer ARAZ	3		Pre-Diagnosis	9, 48, 60, 133	A1 B21
GH 18	Chest X-ray Evaluation	Prof. Dr. Ömer ARAZ	3	1	Level 3	11, 27, 33, 44, 45, 52, 83, 92, 102, 105, 121, 122, 139	A1, D4
GH 19	Pneumonias	Assist. Prof. Buğra KERGET	2	-		11, 25, 44, 33, 54, 48, 105	A4, B21, C5, C7, C9, D2, D4, D10, D18 E6, E29, E50,

							E57
GH 20	ARDS	Assist.Prof. Buğra KER GET	2	-		33, 44, 54, 105, 123	A4, B21, D4, E6, E36, E40, E50, E57
GH 20	Pulmonary Tuberculosis	Assist.Prof. Buğra KER GET	3	-	D&T, C, F	11, 48, 52, 83, 92	A1, C7, C11, D2, D4, D10, D18, E29, E56

## 6 . LEARNING METHODS OF PULMONARY DISEASES TRAINEE PROGRAM

YEAR V - PULMONARY DISEASES TRAINEE PROGRAM LEARNING METHODS	
<b>Information for training :</b>	
<ul style="list-style-type: none"> <li>• Structured learning activities carried out in clinical skills laboratories and simulated patient centers</li> <li>• Multidisciplinary laboratory practices</li> <li>• Bedside trainings, visits , structured focused patient visit ; service and polyclinic experiences</li> <li>• Community-based learning activities (Observing health risks in the workplace and schools, evaluating the services provided, service delivery in primary health care institutions, home visits, etc. )</li> <li>• In charge learning and assessment</li> <li>• Structured case discussion</li> </ul>	
<b>Training for medical practice</b>	
<ul style="list-style-type: none"> <li>• Class lecture / presentation: Lecture, instructor presentation, interactive lecture / classroom lectures</li> <li>• Interdisciplinary learning events (meetings, panels, group discussions)</li> <li>• Case / problem-based interactive learning activities carried out with small groups (problem-based learning, case discussion, clinical tutorials, etc. )</li> <li>• Independent learning</li> <li>• Multidisciplinary laboratory applications, anatomy laboratory applications</li> <li>• Project / research based learning</li> </ul>	
<b>Professionalism for education</b>	
<ul style="list-style-type: none"> <li>• Interdisciplinary learning events (meetings, panels, forums, group discussions)</li> <li>• Critical case discussions</li> <li>• Reflection sessions</li> <li>• Gamification, psychodrama</li> <li>• Written visual text / work readings, interpretations</li> <li>• Student development file (portfolio) application</li> <li>• In charge learning and assessment (MiniPET )</li> </ul>	

## 7. “STUDENT TRAINEE REPORT” FOR PULMONARY DISEASES TRAINEE CLERKSHIP

“Atatürk University Faculty of Medicine Trainee Competence Report” is filled in accordance with the educational goals and levels. Trainee students are expected their report filled and approved when they do their practice and deliver it on the last day to the responsible Faculty.

**ATATÜRK UNIVERSITY FACULTY OF MEDICINE**  
**YEAR V - PULMONARY DISEASES TRAINEE PROGRAM COMPETENCE REPORT**

<b>NAME AND SURNAME:</b>			
<b>Number:</b>			
<b>Date :</b>			
<b>I- Basic Medical Practices</b>	<b>Learning Level i **</b>	<b>Number</b>	<b>Internship Supervisor Approval (Date)</b>
Patient File number:			
<b>A. Obtaining History</b>			
Ability to take general and problem- oriented stories	4	3	
<b>B. General and Problem- Oriented Physical Examination</b>			
Respiratory system examination	4	3	
<b>C. Record Keeping, Reporting and Notification</b>			
Write a prescription	4	10	
Preparing a patient file	4	3	
<b>D. Laboratory Tests and Other Related Operations</b>			
Using and evaluating the peak-flow meter	4	3	
Interpreting lung film	4	3	
Interpreting arterial blood gas	3	3	
<b>E. Interventional and Non- Interventional Practices</b>			
Bronchoscopy	1	3	
Pleural puncture / thoracentesis ability	2	1	
To be able to perform respiratory function test	2	3	
Taking arterial blood gas	3	1	
To be able to apply oxygen and nebulizer& inhaler therapy	3	3	
Ability to apply and evaluate pulse oximetry	3	10	
To be able to apply and evaluate the PPD test	3	2	
<b>II- Clinical Problem Solving (case-based and sessions-Performance</b>			
<b>Total Basic Medicine Practices score (out of 10 points)</b>			
<b>III Impression of trainee- Medicine related professionalism (Evaluated by all the Faculties )</b>			
Compliance with the program rules			
Compliance to teamwork			
<b>Total Professionalism score (out of 10 points)</b>			
<b>TRAINEE TOTAL SCORE (out of 20 points)</b>			
Responsible Faculty Date and Signature		Head of the Department Date and Signature	

\* TTA: Teaching Staff at accompaniment

\*\* Learning Levels

Learning Level	Explanation
1	Knows how the application is done and explains the results to patients and / or their relatives .
1	In an emergency, he / she applies in accordance with the guide / instruction .
3	The complex not frequently seen , cases / cases it makes application *.
4	Makes the application * including complex situations / facts .
* Makes the pre- evaluation / evaluation , creates and implements the necessary plans and informs the patients and their relatives / society about the process and its results .	



## 8. ASSESSMENT AND EVALUATION METHODS IN PULMONARY DISEASES TRAINEE CLERKSHIP

PULMONARY DISEASES TRAINEE PROGRAM MEASUREMENT AND EVALUATION METHODS	
PRACTICAL-ORAL EXAM AT THE END OF THE INTERNSHIP	
<ul style="list-style-type: none"> <li>• <b>Trainee report card</b> : Total contribution to practical-oral exam at the end of the internship ( 15 % ) <ul style="list-style-type: none"> <li>➤ <b>Basic Medical Practices</b> (5% )</li> <li>➤ <b>Features of Professionalism Suitable for Medicine</b> : It is evaluated by faculty members . In the assessment, trainee physicians Internship rules and to work in team harmony u and full attendance of the eye are taken into. Contribution to practical-oral exam at the end of the internship ( 5 % )</li> <li>➤ <b>Clinical Problem Solving</b>: It is given according to the performance shown in case -based learning sessions. (5%)</li> </ul> </li> <li>• <b>Practice Exams</b> : Practice directed / entrepreneurial skills direct observation and evaluation form is done. Contribution to practical-oral exam at the end of the internship ( 15 % )</li> <li>• <b>The refreshingly frank"internship exam I</b> : Structured oral exam (structured questions and evaluating clinical information based on patients evaluating the clinical decision-making questions) form is done. Contribution to practical-oral exam at the end of the internship ( 70 % )</li> <li>• Trainee report of the assessment taken practical-oral exam 100 points out of the total grade Students who score below 60, considered to have failed</li> <li>• Students who fail the practical-oral exam take the make-up exam of the internship .</li> <li>• Students who fail the practical-oral exam cannot take the theoretical (written-multiple choice) exam.</li> </ul>	
THEORETICAL EXAM AT THE END OF THE TRAINEE PROGRAM	
<ul style="list-style-type: none"> <li>• It consists of 20 or 25 multiple choice questions in total . Up to five classic questions can be asked.</li> <li>• Clinical information assessing multiple -choice questions and clinical decision making in assessing patients ayala of multiple -choice questions as done .</li> <li>• Students who score less than 60 out of 100 points in the theoretical (written-multiple choice) exam are considered unsuccessful.</li> <li>• Students who fail the theoretical (written-multiple choice) exam take the make-up exam of the internship.</li> </ul>	
CALCULATION OF THE TRAINEE SUCCESS	
<ul style="list-style-type: none"> <li>• Internship success grade is calculated by taking the average of the scores from the Practical-Oral and Theoretical ( written - multiple choice) exam.</li> </ul>	
MAKE-UP EXAM	
<ul style="list-style-type: none"> <li>• If a student who fails or fails the practical-oral or theoretical (written-multiple-choice) exam does not take the make-up exams at the end of the trainee program or fails the exam, he / she is deemed unsuccessful in that internship and repeats that program.</li> </ul>	

### SESSION V CARDIOLOGY CLERKSHIP GUIDE

<b>Code</b>	STJ507	<b>Type</b>	Compulsory
<b>Period</b>	4 weeks	<b>ECTS</b>	5

#### CARDIOLOGY CLERKSHIP- Prerequisite Courses

<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committee (s) in session 3

#### REFERENCES (RESOURCE BOOK - OTHERS)

<b>1.</b>	Manuel of Cardiovascular Medicine. Brian P. Griffin (Editor); Lippincott Williams & Wilkins.
<b>2.</b>	UpToDate ( <a href="http://www.uptodate.com">http://www.uptodate.com</a> ).
<b>3.</b>	Lecturer's Notes.

#### CARDIOLOGY CLERKSHIP- RULES FOR STUDENTS

<b>1</b>	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white

	gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the “ <b>Ataturk University Faculty of Medicine Trainee Report</b> ” which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”.
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “ <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ”. The participation link to the survey will be sent to the students by the dean's management.

## 1. CARDIOLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE CARDIOLOGY CLERKSHIP PROGRAM	
All students who are trained in cardiology internship can have all of the following qualifications;	
11.	Taking medical history and suitable physical examination for the diagnosis of heart diseases,
12.	Diagnosing heart diseases using electrocardiogram, chest x-ray and biochemical tests and applying suitable intervention and treatments,
13.	Diagnosing coronary artery disease, or transfer to top institutions of patients with cardiovascular risk factors for advanced examination and treatment
14.	Diagnosing acute coronary syndrome and management of this condition,
15.	Recognizing acute pulmonary edema which is one of the cardiac emergencies and fulfilling the basic elements in emergency treatment,
16.	Fulfilling basic elements about common cardiac arrhythmias, especially life-threatening arrhythmias,
17.	Basic electrocardiogram interpretation,
18.	Diagnosing heart failure, differential diagnosis of dyspnea and treatment of these conditions,
19.	Having adequate information about pathophysiology, symptoms and physical examination of valvular heart diseases; recommending advanced examination and treatment to patients with suspected valve disease,
20.	Having basic information about patients with hypertension, treatment of patients with hypertension, choosing appropriate drugs for treatment and having adequate information about possible complications,
21.	Adequate information about management of cardiopulmonary arrest and cardiopulmonary resuscitation,
22.	Approach to congenital heart diseases (i.e. symptoms, physical examination, diagnostic tests),
23.	Making differential diagnosis of heart diseases like infective endocarditis and pericarditis and having adequate information about treatment and prevention of these diseases,
24.	Choosing appropriate drugs that using in treatment of basic heart diseases and having information about side effect and contraindications of these drugs,
25.	Prescribing for basic heart diseases,
26.	Drawing electrocardiography, interpreting electrocardiogram and using defibrillator.

## 2. CARDIOLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	2	1	5	5		5	4	2	1	5	3	2	1	4	2	1	3	1	3	3
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levels	3	4	3	2	5	4	5	5	4	4	5	5								

**Contribution levels:** -:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high

### 3. LEARNING OBJECTIVES OF THE CARDIOLOGY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the session V Cardiology clerkship period

CARDIOLOGY CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS					
79.	Fever	10	Chest Pain	19	Cladication intermittant
80.	Dizziness	11	Weakness	20	Edema
81.	Headache	12	Hemoptysis	21	Cough
82.	Consciousness changes	13	Hepatomegaly	22	Syncope
83.	Epistaxis	14	Hypertension	23	Cyanosis
84.	Palpitation	15	Hypotension	24	Prevention of chronic diseases
85.	Clubbing	16	Murmur in the heart	25	Healthy diet and lifestyle changes
86.	Dyspnoea	17	Abdominal bloating	26	Problems with tobacco, drug and alcohol use
87.	Joint Pain / Swelling	18	Weight loss		

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the "Diseases / Clinical Problems" listed below during the Cardiology clerkship period.

CARDIOLOGY CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS	
LEARNING LEVELS	CLINICAL PROBLEM
In the clinical problems mentioned in the column next to;  <b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b>	1. Pulmonary edema 2. Acute coronary syndromes 4. Aortic dissection 7. Essential hypertension 8. Drug side effects 10. Heart rhythm disorders 11. Heart failure 12. Cardio-pulmonary arrest 18. Peripheral artery disease 19. Pericardial diseases 20. Pulmonary embolism 23. Disorders of fluid and electrolyte balance

	24. Shock 26. Poisoning
In the clinical problems mentioned in the column next to;  <b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert</b>	6. Endocarditis 9. Valvular heart disease 13. Congenital heart diseases 14. Chronic Coronary Artery disease 16. Myocarditis / cardiomyopathy 18. Peripheral artery disease 19. Pericardial diseases 21. Pulmonary hypertension 22. Secondary hypertension 25. Vasovagal syncope
In the clinical problems mentioned in the column next to;  <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b>	2. Acute coronary syndromes 3. Acute rheumatic fever 8. Drug side effects 10. Heart rhythm disorders 11. Heart failure 15. Metabolic syndrome 17. Obesity 20. Pulmonary embolism 23. Disorders of fluid and electrolyte balance
In the clinical problems mentioned in the column next to;  <b>Be able to Diagnose and Treat (DT)</b>	5. Dyslipidemia 7. Essential hypertension
In the clinical problems mentioned in the column next to;  <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	2. Acute coronary syndromes 3. Acute rheumatic fever 5. Dyslipidemia 6. Endocarditis 7. Essential hypertension 8. Drug side effects 9. Valvular heart disease 11. Heart failure 14. Chronic Coronary Artery disease 15. Metabolic syndrome 17. Obesity 20. Pulmonary embolism 23. Disorders of fluid and electrolyte balance 25. Vasovagal syncope 26. Poisoning
In the clinical problems mentioned in the column next to;  <b>be able to follow up (F) in necessary cases</b>	5. Dyslipidemia 7. Essential hypertension 8. Drug side effects 10. Heart rhythm disorders 11. Heart failure 14. Chronic Coronary Artery disease 15. Metabolic syndrome 17. Obesity 20. Pulmonary embolism

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Cardiology clerkship period.

CARDIOLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	BASIC MEDICINE APPLICATIONS
Skills specified in the adjacent column;  <b>Knows</b> how to practice and <b>explains</b> the results to patients and / or relatives  <b>(LEARNING LEVEL 1)</b>	<ol style="list-style-type: none"> <li>1. Performing pericardiocentesis</li> <li>2. Accompanying echocardiography application</li> <li>3. Accompanying exercise stress test</li> <li>4. Participating in diagnostic and interventional procedures in the cardiac catheterization laboratory</li> </ol>
Skills specified in the adjacent column;  <b>In an emergency</b> , performs the application in accordance <b>with the guide / instruction</b> <b>(LEARNING LEVEL 2)</b>	-----
Skills specified in the adjacent column;  performs pre-assessment / evaluation in <b>uncomplicated</b> , frequent, cases creates necessary plans and informs patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 3)</b>	<ol style="list-style-type: none"> <li>5. Evaluating mental state</li> <li>6. To be able to evaluate chest x-ray</li> <li>7. Taking electrocardiography and evaluating electrocardiogram</li> <li>8. Airway plugging</li> <li>9. Be able to intubate</li> <li>10. Advanced life support</li> <li>11. Preparing medicine properly</li> <li>12. Identify people at risk</li> <li>13. Accessing current information and reading it critically</li> <li>14. Applying principles of evidence-based medicine while making clinical decision</li> </ol>
Skills specified in the adjacent column;  Pre-evaluate the application including <b>complex</b> situations / cases, creates the necessary plans and informs the patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 4)</b>	<ol style="list-style-type: none"> <li>15. To be able to take general and problematic medical history</li> <li>16. Evaluating consciousness</li> <li>17. Evaluating general state and vital findings</li> <li>18. Examination of cardiovascular system</li> <li>19. Examination of respiratory system</li> <li>20. Information and getting consent</li> <li>21. Preparing epicrisis</li> <li>22. Preparing patient file</li> <li>23. Prescribing</li> <li>24. Preparing treatment refusal document</li> <li>25. Providing decontamination, disinfection, sterilization and antisepsis</li> <li>26. Creating a laboratory request form</li> <li>27. Taking and transferring laboratory samples properly</li> <li>28. Fulfilling rational drug use principles</li> <li>29. Requesting proper laboratory and imaging methods</li> <li>30. Using balloon mask (bag)</li> <li>31. Be able to apply defibrillation</li> <li>32. Washing hands</li> <li>33. Transferring patients properly</li> <li>34. Measuring blood pressure</li> <li>35. To be able to apply oxygen and nebul-inhaler therapy</li> <li>36. Applying pulse oximeter and evaluating results</li> <li>37. Applying basic life support</li> <li>38. Exercise and physical activity</li> <li>39. Healthy nutrition</li> </ol>

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the “Behavioral, Social and Humanities” listed below during the Cardiology clerkship period

CARDIOLOGY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	<b>2. Abuse</b> <ol style="list-style-type: none"> <li>1. Alcohol</li> <li>2. Tobacco</li> <li>3. Drugs</li> </ol>
	<b>5. Environment and health interaction</b> <ol style="list-style-type: none"> <li>4. Healthy nutrition and food strategies</li> </ol>
	<b>14. Chronic/non-communicable diseases</b> <ol style="list-style-type: none"> <li>5. Monitoring and prevention of risk factors</li> <li>6. Management</li> <li>7. Multimorbidity</li> </ol>
	<b>25. Health conditions</b> <ol style="list-style-type: none"> <li>8. Nutrition</li> <li>9. Physical, mental activity and exercise</li> <li>10. Sedentary life</li> </ol>
	<b>29. Technology and health interaction</b> <ol style="list-style-type: none"> <li>11. Artificial intelligence</li> <li>12. Current diagnostic and treatment tools</li> <li>13. Technological communication tools and channels</li> <li>14. Management of media and excessive information</li> <li>15. Use of advanced technology and ethical issues</li> </ol>

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Cardiology clerkship

ATTITUDES THAT SHOULD BE GAINED FOR <i>PROFESSIONALITY</i> DURING THE CARDIOLOGY CLERKSHIP
<ol style="list-style-type: none"> <li>1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.</li> <li>2. Rights-based health approach</li> <li>3. Communication skills, communication in difficult situations, interpersonal relations and teamwork</li> <li>4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.</li> <li>5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.</li> <li>6. Patient rights, physician responsibility, patient-physician relationship.</li> </ol>

7. Problems and dilemmas for professionalism / ethics in health processes.
8. Legal problems in health processes.
9. Research and publication ethics.
10. Determinants of health, inequality in health, social gender and health.
11. Health systems, health policies.
12. Health economics and management.
13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.
14. Work culture in coordination with other members of the team and disciplines
15. Being able to share their knowledge and professional experience with other members of the team,

#### 4. CARDIOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

SESSION V CARDIOLOGY CLERKSHIP- WEEKLY COURSE PROGRAM			
Days	Subject of The Lesson	Lesson Time	Teaching Staff
<b>Monday</b>	<b>I. Week</b>		
	Information about the clerkship- Ethical and professional values in clinical practice	08:00-09:20	Dr. O. Birdal
	Symptoms and signs in heart diseases-Cardiac anamnesis	09:30-10:20	Dr. H. Şenocak
	Examination of cardiovascular system	10:30-12:00	Dr. H. Şenocak
	Cardiac anatomy and physiology	13:30-14:20	Dr. O. Birdal
	Dyslipidemias	14:30-15:20	Dr. O. Birdal
<b>Tuesday</b>	Free Practical Education	15:20-17:00	
	Practical education	08:00-09:20	Lecturer
	Stable Coronary Heart Disease-Patogenesis and Diagnosis	09:30-10:20	Dr. Ş. Karakelleoğlu
	Stable Coronary Heart Disease-Treatment	10:30-12:00	Dr. Ş. Karakelleoğlu
	Basic ECG principles	13:30-15:20	Dr. G. Ceyhun
<b>Wednesday</b>	Free Practical Education	15:20-17:00	
	Practical education	08:00-09:20	Lecturer
	Acute coronary syndromes-Patogenesis and diagnosis	09:30-12:00	Dr. H. Şenocak
<b>Thursday</b>	Elective / Freelance Work	13:30-17:00	
	Practical education	08:40-09:20	Lecturer
	Chronic heart failure	09:30-12:00	Dr. Ş. Karakelleoğlu
	Pathological ECG interpretation with examples	13:30-15:20	Dr. G. Ceyhun
<b>Friday</b>	Practical education	15:20-17:00	Lecturer
	Practical education	08:00-09:20	Lecturer
	Bedside education- Cardiac anamnesis and physical examination	09:30-10:20	Dr. Y. Koza
	Bedside education- Defibrillator education	10:30-12:00	Dr. G. Ceyhun
	Myocardial diseases	13:30-14:20	Dr. M. Hakan Taş
<b>Monday</b>	Case-Based Learning (CBL) Session 1	14:30-17:00	Lecturer
	<b>II. Week</b>		
	Practical education	08:00-09:20	Lecturer
	Supraventricular arrhythmias	09:30-12:00	Dr. S. Sevimli
	Ventricular arrhythmias	13:30-14:20	Dr. O. Birdal
	Pulmonary hypertension	14:30-15:20	Dr. O. Birdal
<b>Tuesday</b>	Practical education	15:20-17:00	Lecturer
	Practical education	08:00-09:20	Lecturer
	Acute coronary syndromes-Treatment	09:30-10:20	Dr. H. Şenocak
	Bedside education- Cardiac risk assessment	10:30-12:00	Dr. H. Şenocak
	Aortic valve diseases	13:30-15:20	Dr. Y. Koza
<b>Wednesday</b>	Free Practical Education	15:20-17:00	
	Practical education	08:00-09:20	Lecturer
	Acute rheumatic fever	09:30-10:20	Dr. E. Bayram
	Infective endocarditis	10:30-12:00	Dr. E. Bayram
<b>Thursday</b>	Elective / Freelance Work	13:30-17:00	
	Practical education	08:00-09:20	Lecturer
	Pericardial diseases	09:30-10:20	Dr. Ş. Karakelleoğlu
	Bedside education-Assesment of the patient with heart failure	10:30-12:00	Dr. Ş. Karakelleoğlu
	Mitral valve diseases	13:30-15:20	Dr. M. Hakan Taş
<b>Friday</b>	Free Practical Education	15:20-17:00	
	Practical education	08:00-09:20	Lecturer
	Arterial hypertension- Diagnosis and treatment	09:30-10:20	Dr. E. Bayram
	Branch blocks	10:30-12:00	Dr. F. Gündoğdu
	Pulmonary embolism	13:30-14:20	Dr. Y. Koza
<b>Monday</b>	Case-Based Learning (CBL) Session 2	14:30-17:00	Lecturer
	<b>III. Week</b>		
	Practical education	08:00-09:20	Lecturer
	Bedside education-Basic echocardiography	09:30-10:20	Dr. O. Birdal
	Bedside education-Acute coronary syndromes	10:30-12:00	Dr. M. Hakan Taş
	Acute heart failure	13:30-14:20	Dr. S. Sevimli
<b>Tuesday</b>	Congenital heart diseases	14:30-15:20	Dr. S. Sevimli
	Free Practical Education	15:20-17:00	
	Practical education	08:00-09:20	Lecturer
<b>Wednesday</b>	Bedside education- Approach to the patient with arrhythmia	09:30-10:20	Dr. E. Bayram



<b>Wednesday</b>	Bedside education- Basic coronary angiography	10:30-12:00	Dr. S. Sevimli
	Bradycardias and AV blocks	13:30-15:20	Dr. F. Gündoğdu
	Practical education	15:20-17:00	
	Practical education	08:00-09:20	Lecturer
	Case-Based Learning (CBL) Session 3	09:30-12:00	Lecturer
	Elective / Freelance Work	13:30-17:00	
<b>Thursday</b>	Practical education	08:00-12:00	Lecturer
	Practical education	13:30-17:00	Lecturer
<b>Friday</b>	ORAL EXAMINATION	08:00-12:00	
	THEORETICAL EXAM	13:30-17:00	

## 5. MATCHING CARDIOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

MATCHING CARDIOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptoms / Conditions	Clinical Problem	Basic Medical Practices	Behavioral, Social and Humanities
CARD001	Bradycardias and AV blocks	DR. FUAT GÜNDOĞDU	2		2, 4, 10, 11, 15, 22	2, 8, 10, 11, 12, 23, 24, 26,	5, 7, 10, 11, 15, 16, 17, 18, 33, 34, 38	3, 12, 13
CARD002	Branch blocks	DR. FUAT GÜNDOĞDU	1		6, 10	2, 10	7, 15, 17, 18	12, 13
CARD003	Symptoms and signs in heart diseases-Cardiac anamnesis	DR. HÜSEYİN ŞENOCAK	1	1	1, 2, 6, 8, 9, 10, 11, 12, 17, 19, 20, 21, 22	2, 4, 9, 10, 11, 13, 19, 20, 22	15	
CARD004	Examination of cardiovascular system	DR. HÜSEYİN ŞENOCAK	1	1	7, 13, 14, 15, 16, 20, 23	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 15, 17, 18, 19, 20, 22, 23, 24, 25, 26	5, 16, 17, 18, 19, 34, 36	15
CARD005	Acute coronary syndromes-Patogenesis, diagnosis and treatment	DR. HÜSEYİN ŞENOCAK	3		4, 8, 10, 15, 16, 22, 24, 25, 26	1, 2, 10, 11, 12, 24	7, 8, 9, 10, 11, 15, 16, 17, 18, 19, 20, 22, 23, 24, 28, 30, 31, 33, 34, 35, 36, 37, 38, 39	2, 3, 5, 6, 7, 8, 9, 10, 12, 13
CARD006	Bedside education- Cardiac risk assessment	DR. HÜSEYİN ŞENOCAK		1	24, 25, 26	5, 14, 15, 17,	12	1, 2, 7
CARD007	Stable Coronary Heart Disease-Patogenesis, diagnosis and treatment	DR. ŞULE KARAKELLE OĞLU	2		8, 10, 16, 24, 25, 26	5, 14	7, 12, 15, 18, 19, 23, 28, 29, 38, 39	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12
CARD008	Chronic heart failure	DR. ŞULE KARAKELLE OĞLU	2	1	2, 4, 8, 10, 11, 13, 15, 16, 17, 18, 20, 22, 24, 25, 26	1, 2, 8, 11, 23, 24	6, 7, 12, 15, 17, 18, 19, 28, 38, 39	4, 5, 6, 7, 8, 9, 10, 12
CARD009	Pericardial diseases	DR. ŞULE KARAKELLE OĞLU	1		1, 10	19, 24	1, 7, 17, 18, 19	12
CARD010	Supraventricular arrhythmias	DR. SERDAR SEVİMLİ	2	1	4, 6, 10, 15	10, 24	5, 7, 11, 16, 17, 18, 31	12, 13
CARD011	Congenital heart diseases	DR. SERDAR SEVİMLİ	1		7, 8, 16, 23	11, 13	6, 7, 15, 18, 19	12
CARD012	Acute heart failure	DR. SERDAR SEVİMLİ	1		4, 8, 10, 14, 15, 20	1, 2, 10, 11, 24	5, 6, 7, 8, 9, 10, 11, 16, 17, 18, 19, 30, 31, 34, 35, 36, 37	12
CARD013	Bedside education- Basic coronary angiography	DR. SERDAR SEVİMLİ		1	10		20, 24, 25, 29, 32	12
CARD014	Arterial hypertension-Diagnosis and treatment	DR. EDNAN BAYRAM	1		2, 3, 5, 6, 8, 10, 14	7	6, 7, 12, 13, 14, 17, 18, 28, 34, 38, 39	4, 5, 6, 7
CARD015	Acute rheumatic fever	DR. EDNAN BAYRAM	1		1, 8, 9, 16, 24	3, 11	12, 15, 17, 18	5
CARD016	Infective endocarditis	DR. EDNAN BAYRAM	1		1, 16, 24	6, 9, 11	12, 17, 18, 27, 28	5

CARD017	Bedside education - Approach to the patient with arrhythmia	DR. EDNAN BAYRAM		1	6	10	7, 16, 17, 18, 20, 31	12
CARD018	Mitral valve diseases	DR. M. HAKAN TAŞ	2		6, 8, 10, 12, 16, 24	2, 6, 9	6, 7, 12, 18	12
CARD019	Myocardial diseases	DR. M. HAKAN TAŞ	1		1, 8, 10, 14	16	18, 29	
CARD020	Bedside education-Acute coronary syndromes	DR. M. HAKAN TAŞ		1	10	2	7, 8, 9, 10, 11, 16, 17, 18, 20, 22, 31, 33, 34, 35, 36, 37	12, 13
CARD022	Aortic valve diseases	DR. YAVUZER KOZA	2		2, 8, 10, 11, 16, 22	9, 11	6, 7, 18	12
CARD023	Pulmonary embolism	DR. YAVUZER KOZA	1		4, 8, 10, 15, 22	20, 24	5, 6, 7, 10, 11, 12, 16, 17, 18, 19, 20, 22, 29, 36, 37	12
CARD024	Bedside education-Cardiac anamnesis and physical examination	DR. YAVUZER KOZA		1	1, 2, 6, 8, 9, 10, 11, 12, 17, 19, 20, 21, 22	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 15, 17, 18, 19, 20, 22, 23, 24, 25, 26	5, 16, 17, 18, 19, 34, 36	15
CARD025	Cardiac anatomy and physiology	DR. OĞUZHAN BIRDAL	1					
CARD026	Dyslipidemias	DR. OĞUZHAN BIRDAL	1		24, 25, 26	14, 15, 17	12, 13, 14, 28, 38, 39	1, 2, 4, 5, 6, 7, 8, 9, 10, 14
CARD027	Ventricular arrhythmias	DR. OĞUZHAN BIRDAL	1	1	2, 4, 6, 8, 10, 15, 22	2, 10, 11, 12, 24	5, 7, 10, 11, 16, 17, 18, 19, 31, 33, 34, 37	12, 13
CARD028	Pulmonary hypertension	DR. OĞUZHAN BIRDAL	1		7, 8, 13, 20, 25	11, 21	6, 7, 15, 17, 18, 19	5, 6, 7, 12
CARD029	Bedside education-Basic echocardiography	DR. OĞUZHAN BIRDAL		1				12
CARD030	Basic ekg principles	DR. GÖKHAN CEYHUN	2				7	12
CARD031	Pathological ECG interpretation with examples	DR. GÖKHAN CEYHUN	2	1		2, 8	7	12
CARD032	Bedside education-Defibrillator education	DR. GÖKHAN CEYHUN		1			31, 37	12

## 6. LEARNING METHODS OF CARDIOLOGY CLERKSHIP PROGRAM

### LEARNING METHODS OF CARDIOLOGY CLERKSHIP PROGRAM

#### Learning Methods Related with Knowledge:

- Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences
- On-the-job learning and assessment
- Structured case discussion

#### Learning Methods Related with Medical practices:

- Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures
- Interdisciplinary learning activities (meetings, panels, group discussions)
- Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)
- CBL (Case-based learning)
- Independent learning

#### Learning Methods Related with Professionalism

- On-the-job learning and assessment (MiniPET)

## 7. "STUDENT TRAINEE REPORT" FOR CARDIOLOGY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V CARDIOLOGY CLERKSHIP STUDENT TRAINEE REPORT			
Name:.....Surname:.....			
Student Number:		Date:...../...../.....	
I- Basic Medicine Practices	Learning Level**	Number of Applications	Teaching Staff Approve (Date)
<b>A. Taking Anamnesis</b>			
To be able to take general and problematic medical history	4	3*	
<b>B. Physical Examination (General and Problem-Oriented)</b>			
Examination of cardiovascular system	4	5*	
Examination of respiratory system	4	5*	
<b>C. Registration, Reporting and Notification</b>			
Preparing patient file	4	2	
Prescribing	4	3*	
<b>D. Laboratory Tests and Other Related Processes</b>			
Taking electrocardiography and evaluating electrocardiogram	3	10	
Creating a laboratory request form	4	5	
<b>E. Interventional and Non-Interventional Applications</b>			
Measuring blood pressure	4	10	
Acoompanying echocardiography application	1	10*	
Acoompanying exercise stress test	1	3*	
Participating in diagnostic and interventional procedures in the cardiac catheterization laboratory	1	5*	
<b>I-Total Basic Medicine Practice score (out of 5 point)</b>			
<b>II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)</b>			
<b>Total Professionalism score (out of 5 point)</b>			
<b>III- Clinical Problem Solving (out of 5)</b> (Given from the performance shown in <b>Case Based Learning sessions</b> )			
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)</b>			
Teaching Staff Date and Sign		Head of Department Date and Sign	

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

\*\*Learning Level\*\*

Learning Level**	Explanation
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1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.

\*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.

## 8. ASSESSMENT AND EVALUATION METHODS IN CARDIOLOGY CLERKSHIP

ASSESSMENT AND EVALUATION METHODS IN CARDIOLOGY CLERKSHIP	
PRACTICAL-ORAL EXAMINATION	
<ul style="list-style-type: none"> <li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (15%) <ul style="list-style-type: none"> <li>➢ <b>Basic Medicine Practices</b> (5 %).</li> <li>➢ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).</li> <li>➢ <b>Clinical Problem Solving</b> (Given from the performance shown in <b>Case Based Learning sessions</b>) (out of 5)</li> </ul> </li> <li>• <b>Oral Examination:</b> Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85 %)</li> <li>• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.</li> <li>• Students who fail the practical-oral examination, take the make-up exam.</li> <li>• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.</li> </ul>	
THEORETICAL EXAM	
<ul style="list-style-type: none"> <li>• It consists of a total of 40 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision)</li> <li>• Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.</li> <li>• Students who fail the theoretical examination, take the make-up exam.</li> </ul>	
SUCCESS GRADE	
<ul style="list-style-type: none"> <li>• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.</li> </ul>	
MAKE-UP EXAM	
<ul style="list-style-type: none"> <li>• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.</li> </ul>	

## SESSION V THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP GUIDE

<b>Code</b>	TPT-516 / TPT-502
<b>Period</b>	3 weeks

<b>Type</b>	Compulsory
<b>ECTS</b>	5

### THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- Prerequisite Courses

1	Taken the pre-clinical courses
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2	Taken courses in the relevant committee (s) in session 3
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REFERENCES (RESOURCE BOOK - OTHERS)	
1.	Up To Date
2.	
3.	

THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the “ <b>Ataturk University Faculty of Medicine Trainee Report</b> ” which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”.
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “ <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ”. The participation link to the survey will be sent to the students by the dean's management.

## 1. THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP PROGRAM	
1.	To be able to make a pre-diagnosis / diagnosis by evaluating the anatomy, physiological features of the thoracic related organs, and the symptoms and signs of the diseases that affect them
2.	To be able to define emergencies for Thoracic Surgery - Cardiovascular Surgery and make emergency treatment
3.	Creating and applying a treatment plan in clinical situations required within the scope of education level criteria
4.	To be able to provide referral when necessary after emergency intervention and treatment
5.	To be able to gain the knowledge, skills and professionalism characteristics determined for internship.

## 2. THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	5	5	4	4	4	5	5	5	5	5	5	5	5	4	4	4	3	5	5	5
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								

Contribution levels	5	5	5	5	5	4	5	5	5	4	5	5							
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**Contribution levels:** -:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high

### 3. LEARNING OBJECTIVES OF THE THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Thoracic Surgery and Cardiovascular Surgery clerkship period

THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS					
1.	Abdominal distension	14	Abdominal pain	27	Problems with altitude and plunge (pressure changes)
2.	Apnea	15	Mass in the abdomen	28	Legal situations / responsibilities
3.	Fever Dysphagia	16	Claudication intermittant	29	Accidents (Home-work-traffic accidents, falls, drowning)
4.	Palpitation	17	Lymphadenopathy	30	Corrosive exposure
5.	Skin and nail changes (dryness, discoloration, etc.)	18	Edema	31	Death
6.	Dysphagia	19	Cough	32	Violence (Domestic violence, violence against children, women, healthcare personnel, violence at work, mobing)
7.	Dyspnoea	20	Parasthesia	33	Disabilit
8.	Chest pain	21	Paresis, paralysis	34	Risk management and malpractice
9.	Chest wall anomalies	22	Syncope	35	Wounds and injuries
10.	Hemoptysis	23	Cyanosis	36	Prevention of chronic diseases
11.	Hypertension	24	Stridor	37	Health promotion
12.	Hypotension	25	Sweating changes	38	Problems with tobacco, alcohol and substance use
13.	Cardiac murmur	26	Foreign body (swallowing / aspiration / ear / nose)		

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the “**Diseases / Clinical Problems**” listed below during the Thoracic Surgery and Cardiovascular Surgery clerkship period.

<b>THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS</b>	
<b>LEARNING LEVELS</b>	<b>CLINICAL PROBLEM</b>
<p>In the clinical problems mentioned in the column next to;</p> <p><b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b></p>	<ol style="list-style-type: none"> <li>1. Pulmonary edema</li> <li>2. Acute coronary syndrome</li> <li>3. Anaphylaxis</li> <li>4. ARDS</li> <li>5. Artery and vein injury</li> <li>6. Cardio - pulmonary arrest</li> <li>7. Accidents (Home-work-traffic accidents, falls etc.)</li> <li>8. Compartment syndrome</li> <li>9. Pneumothorax</li> <li>10. Respiratory failure</li> <li>11. Thoracic traumas</li> <li>12. Foreign body / aspiration</li> <li>13. Laryngeal obstruction</li> </ol>
<p>In the clinical problems mentioned in the column next to;</p> <p><b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert</b></p>	<ol style="list-style-type: none"> <li>14. Achalasia</li> <li>15. Lung Cancer</li> <li>16. Acute artery occlusion</li> <li>17. Aortic aneurysm / rupture</li> <li>18. Aortic dissection</li> <li>19. Bronchiectasis</li> <li>20. Diaphragmatic hernias</li> <li>21. Deep vein thrombosis</li> <li>22. Varicose veins in the extremity</li> <li>23. Gastrointestinal system motility disorders</li> <li>24. Interstitial lung diseases</li> <li>25. Heart valve diseases</li> <li>26. Heart rhythm disorders</li> <li>27. Bone tumors</li> <li>28. Cyst hydatid disease</li> <li>29. Coronary artery disease</li> <li>30. Pleural effusion, empyema</li> <li>31. Pneumothorax</li> </ol>
<p>In the clinical problems mentioned in the column next to;</p> <p><b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b></p>	<ol style="list-style-type: none"> <li>32. Acute coronary syndrome</li> <li>33. Sudden death</li> <li>34. Congenital structural anomalies</li> <li>35. Gastrointestinal system cancers</li> <li>36. Heart failure</li> <li>37. Compartment syndrome</li> <li>38. Foreign body / aspiration</li> </ol>
<p>In the clinical problems mentioned in the column next to;</p> <p><b>Be able to Diagnose and Treat (DT)</b></p>	<ol style="list-style-type: none"> <li>39. Gastro - esophageal reflux</li> </ol>
<p>In the clinical problems mentioned in the column next to;</p> <p><b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b></p>	<ol style="list-style-type: none"> <li>40. Lung Cancer</li> <li>41. Acute coronary syndrome</li> <li>42. Anaphylaxis</li> <li>43. Sudden death</li> <li>44. Bronchiectasis</li> <li>45. Deep vein thrombosis</li> </ol>



	46. Congenital structural anomalies 47. Varicose veins in the limb 48. Gastrointestinal system cancers 49. Gastro - esophageal reflux 50. Heart valve diseases 51. Heart failure 52. Accidents (Home-work-traffic accidents, falls etc.) 53. Compartment syndrome 54. Cyst hydatid disease

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Thoracic Surgery and Cardiovascular Surgery clerkship period.

THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	BASIC MEDICINE APPLICATIONS
Skills specified in the adjacent column;  <b>In an emergency</b> , performs the application in accordance <b>with the guide / instruction</b> <b>Knows</b> how to practice and <b>explains</b> the results to patients and / or relatives  <b>(LEARNING LEVEL 1)</b>	1. To be able to pleural puncture
Skills specified in the adjacent column;  performs pre-assessment / evaluation in <b>uncomplicated</b> , frequent, cases creates necessary plans and informs patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 2)</b>	2. Forensic case examination 3. Consciousness assessment and mental state examination 4. Musculoskeletal examination 5. To be able to prepare a forensic report 6. Ability to establish vascular access 7. Ability to apply defibrillation 8. To be able to take and evaluate ECG 9. Ability to edit reporting and notification 10. Periodic examination, control (Cardiac risk calculation, adolescent counseling, tobacco counseling, cancer screening, etc.) 11. Reading and evaluating direct radiographs 12. To be able to distinguish / manage forensic cases 13. "Airway" application 14. Rational drug use 15. Ability to open skin and soft tissue abscess 16. Being able to intubate 17. Ability to take biological samples from the patient 18. Ability to remove the foreign body in the airway with appropriate maneuvers 19. To be able to apply and evaluate pulse oximetry 20. Evaluating respiratory function tests 21. To be able to take and take superficial sutures 22. Providing health education to the society 23. Ability to combat communicable diseases in the community
Skills specified in the adjacent column;  Pre-evaluate the application including <b>complex</b> situations / cases, creates the necessary plans and informs the patients	24. To be able to take general and problem-oriented stories 25. To be able to evaluate the mental state 26. Cardiovascular system examination 27. Respiratory system examination 28. Clarification and consent 29. Ability to prepare an epicrisis 30. Ability to prepare a patient file 31. Ability to refer patients appropriately



and their relatives <b>and does the application</b>  <b>(LEARNING LEVEL 3)</b>	32. Ability to issue death certificate 33. Prepare recipe 34. Ability to prepare a treatment rejection document 35. To be able to apply the principles of working with biological material 36. Providing decontamination, disinfection, sterilization, antisepsis 37. Ability to fill the request form for laboratory examination 38. Ability to take the laboratory sample under suitable conditions and deliver it to the laboratory. 39. Ability to take measures to stop / limit external bleeding 40. Hand washing 41. Provide basic life support 42. Evaluating the disease / trauma severity scoring
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**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the “Behavioral, Social and Humanities” listed below during the Chest Surgery and Cardiovascular Surgery period

THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
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**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Thoracic Surgery and Cardiovascular Surgery clerkship

ATTITUDES THAT SHOULD BE GAINED FOR <i>PROFESSIONALITY</i> DURING THE THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP
1. Holistic approach to health (bio - psycho social and cultural approach), patient centered approach, community oriented medicine.  2. Rights-based health approach.  3. Communication skills, communication in difficult situations, interpersonal relationships and teamwork.  4. History of medicine and thought / values, physician identity and consciousness, physician roles and limits.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Professionalism / ethical problems, dilemmas in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, health inequality, gender and health.  11. Health systems, health policies.  12. Health economics and management.

13. Reflective thinking and practice, continuous personal and professional development, training and consultancy.

#### 4. THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP - WEEKLY COURSE PROGRAM

PHASE V THORACIC SURGERY – CARDIOVASCULAR SURGERY INTERNSHIP WEEKLY TRAINING PROGRAM			
DAYS	THE SUBJECT OF THE COURSE	COURSE TIME	LECTURER
<b>1. WEEK</b>			
<b>Monday</b>	Briefing About Related Clinical Internship	08:00-08:50	Assistant Professor Ali Bilal ULAS/ Assistant Professor Ferhat BORULU
	Thoracic Surgery Problem-based learning Session I	09:00-09:50	Professor.Atila EROGLU, Professor Yener AYDIN, Assistant Professor Ali Bilal ULAS
	General Thoracic Surgery	10:00-10:50	Assistant Professor Ali Bilal ULAS
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-17:00	
<b>Tuesday</b>	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08:00-09:50	
	Cardiovascular Surgery Problem-based learning Session I	10:00-10:50	Professor Yahya ÜNLÜ, Associate Professor Ugur KAYA Assistant Professor Eyup Serhat CALIK
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-12:00	
	Clinical Case Presentation	13.30-14:20	Professor Munacettin CEVİZ
	Abdominal Aortic Aneurysms	14.30-15:20	Associate Professor Abdurrahim COLAK
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	15:30-17:00	
<b>Wednesday</b>	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08:00-08:50	
	Thorax Radiology	09:00-09:50	Assistant Professor Ali Bilal ULAS
	Pneumothorax	10.00-10:50	Assistant Professor Ali Bilal ULAS
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-14:30	
	ASD+ VSD	14:30-15:20	Professor Munacettin CEVİZ
<b>Thursday</b>	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08.00-09:50	
	Peripheral Arterial Disease	10.00-10:50	Associate Professor Eyup Serhat CALIK
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11.00-12:00	
	Aortic Dissection	13.30-14:20	Professor Yahya ÜNLÜ
	Lower Extremity Venous System Diseases Venous Thromboembolism – Tetralogy of Fallot	14.30-15:20	Associate Professor Umit ARSLAN
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	15:30-17:00	
<b>Friday</b>	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08:00-08:50	
	Pleural Effusions	09:00-09:50	Assistant Professor Ali Bilal ULAS
	Hyperhidrosis	10.00-10:50	Assistant Professor Ali Bilal ULAS
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-17:00	
<b>2. WEEK</b>			
<b>Monday</b>	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08.00-09:50	
	Cardiovascular Surgery Problem-based learning Session II	10.00-10:50	Professor Bilgehan ERKUT, Associate Professor Abdurrahim COLAK Associate Professor Umit ARSLAN
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-12:00	
	Varices	13:30-14:20	Associate Professor Ümit ARSLAN
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	14:30-17:00	
<b>Tuesday</b>	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08:00-08:50	

	Thoracic Surgery Problem-based learning Session II	09.00-09:50	Professor Atila EROGLU, Professor Yener AYDIN, Assistant Professor Ali Bilal ULAS
	Hydatic Cyst	10.00-10:50	Professor Yener AYDIN
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-12:00	
	Foreign Bodies	13:30-14:20	Professor Yener AYDIN
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	14:30-17:00	
<b>Wednesday</b>	Briefing About Related Clinical Internship	08.00-08:50	Assistant Professor Ali Bilal ULAS/ Assistant Professor Ferhat BORULU
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	09:00-09:50	
	Surgical Treatment of Coronary Artery Disease	10.00-10:50	Professor Bilgehan ERKUT
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-12:00	
	Acute Artery Embolism	13:30-14:20	Associate Professor Ugur KAYA
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	14:30-17:00	
<b>Thursday</b>	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08:00-08:50	
	Congenital Chest Wall Deformities	09.00-09:50	Professor Yener AYDIN
	Congenital Lung Malformations	10.00-10:50	Professor Yener AYDIN
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-12:00	
	Bronchiectases	13:30-14:20	Professor Yener AYDIN
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	14:30-17:00	
<b>Friday</b>	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08.00-09:50	
	Peripheral Vascular Injuries	10.00-10:50	Proffessor.Bilgehan ERKUT
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-12:00	
	Surgical Treatment of Mitral Valve Diseases	13:30-14:20	Associate Professor Abdurrahim ÇOLAK
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	14:30-17:00	
<b>Monday</b>	<b>3. WEEK</b>		
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08:00-08:50	
	Thoracic traumas	09.00-09:50	Professor Atila EROGLU
	Diaphragmatic hernias	10.00-10:50	Professor Atila EROGLU
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-17:00	
<b>Tuesday</b>	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08.00-08:50	
	Cardiovascular Surgery Problem-based learning Session III	09:00-09:50	Professor Munacettin CEVİZ, Assistant Professor Ferhat BORULU
	Surgical Treatment of Aortic Valve Diseases + PDA	10:00-10:50	Associate Professor Eyup Serhat CALIK
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-17:00	
<b>Wednesday</b>	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08:00-08:50	
	Lung cancer	09.00-09:50	Professor Atila EROGLU
	Esophageal Diseases	10.00-12:00	Professor Atila EROGLU
	Thoracic Surgery Problem-based learning Session III	13:30-14:20	Professor Atila EROGLU, Professor Yener AYDIN, Assistant Professor Ali Bilal ULAS
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	14:30-17:00	
<b>Thursday</b>	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08.00-08:50	

<b>Friday</b>	Cardiopulmonary Bypass	09:00-09:50	Proffesor Yahya ÜNLÜ
	Pericardial Effusion and Tamponade	10:00-10:50	Assistant Professor Ferhat BORULU
	Independent Working Time	11:00-17:00	
	EXAM (Practical-Oral)	09:00-10:50	Department of Thoracic Surgery – Cardiovascular Surgery
	EXAM (Multiple-Choice)	11.00-11:50	
	Post-internship feedback meeting		

## 5. MATCHING THORACIC SURGERY – CARDIOVASCULAR SURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

MATCHING INTERNAL MEDICINE CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptoms / Conditions	Clinical problem	Basic Medical Practices	Behavioral, Social and Humanities
TS 001	Thoracic Anatomy	Assistant Professor Ali Bilal ULAS	1					
TS 002	Thoracic Radiology	Assistant Professor Ali Bilal ULAS	1				11	
TS 003	Pleural effusions, Hemothorax	Assistant Professor Ali Bilal ULAS	1		7, 8, 30, 35	10	1, 11, 1517, 19, 21, 24, 25, 27, 28, 29, 31	
TS 004	Pneumothorax	Assistant Professor Ali Bilal ULAS	1		7, 8, 27, 35	9, 10, 31	1, 11, 19, 21, 24, 25, 27, 28, 29, 31	
TS 005	Bronchiectasis	Assistant Professor Ali Bilal ULAS	1		3, 17, 19	19, 44	11, 24, 25, 27, 28, 29	
TS 006	Congenital structural anomalies	Prof. Dr. Yener AYDIN	1		9, 34, 46	34, 46	10, 11, 24, 25, 27, 28, 29	
TS 007	Cyst Hydatid	Prof. Dr. Yener AYDIN	1		3, 8, 10, 19	3, 10, 28, 42	10, 11, 23, 24, 25, 27, 28, 29	
TS 008	Foreign object aspiration	Prof. Dr. Yener AYDIN	1		2, 24, 26	10, 12, 13, 38	11, 18, 24, 25, 27, 28, 29, 31	
ts 009	Esophageal foreign objects	Prof. Dr. Yener AYDIN	1		6, 8, 26, 30	38	11, 24, 25, 27, 28, 29, 31	
TS 010	Hyperhidrosis	Prof. Dr. Yener AYDIN	1		25		22, 24, 25, 27, 28, 29	
TS 011	Lung cancer	Prof. Dr. Atila EROĞIU	1		8, 10, 24, 27, 33, 36, 37, 38, 40	15, 40	10, 11, 20, 22, 24, 25, 27, 28, 29	
TS 012	Esophageal Diseases	Prof. Dr. Atila EROĞIU	1		6, 33, 48	14, 23, 35, 39, 48	10, 11, 24, 25, 27, 28, 29	
TS 013	Diaphragmatic Hernias	Prof. Dr. Atila EROĞIU			7, 8	20	11, 24, 25, 27, 28, 29	
TS 014	Thoracic Traumas	Prof. Dr. Atila EROĞIU			8, 18, 28, 29, 31, 32, 34, 35	1, 4, 5, 6, 7, 9, 10, 11, 33, 43	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 19, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34	
TS 015	Differentiation of forensic cases	Department Faculty Members		1				
TS 016	Hand washing	Department Faculty Members		1				
TS 017	To be able to pleural puncture	Department Faculty Members		1				
TS 018	Provide basic life support	Department Faculty Members		1				
TS 019	Ability to take and take superficial sutures	Department Faculty Members		1				
TS 020	Service Visit	Department Faculty Members		42				
TS 021	Polyclinic / Operating Room Applications	Department Faculty Members		22				
TS 022	Meeting to inform	Head of internship	1					

	internship goals and objectives	commission						
TS 023	Post-internship feedback meeting	Head of internship commission	1					
CVS 001	Abdominal Aortic Aneurysms	Associate Professor Abdurrahim COLAK	1		1, 14, 15	17, 18	24, 26, 28.29, 31	
CVS 002	Congenital Heart Diseases and Surgical Treatment ASD, VSD, PDA	Prof. Dr. Münacettin CEVİZ	1		4, 7, 8, 13, 23, 31	1, 10, 25, 26, 33, 34, 46	8, 10, 11, 24, 26, 27, 28.29, 31	
CVS 003	Peripheral Artery Diseases	Prof. Dr. Azman ATEŞ	1		16, 20, 21	16	24, 26, 28.29, 31	
CVS 004	Aortic Dissection	Prof. Dr. Yahya ÜNLÜ	1		7, 8, 12, 22	18, 33	24, 26, 28.29, 31	
CVS 005	Lower Extremity Venous System Diseases Venous Thromboembolism	Associate Professor Ümit ARSLAN	1		5, 18, 23	21, 45	24, 26, 28.29, 31	
CVS 006	Varicose veins	Associate Professor Ümit ARSLAN	1		5, 18	22, 47	24, 26, 28.29	
CVS 007	Surgical Treatment in Coronary Artery Diseases	Prof. Dr. Hikmet KOÇAK	1		4, 8, 11	2, 26, 32, 33	7, 8, 10, 26, 31	
CVS 008	Acute Artery Embolism	Associate Professor. Uğur KAYA	1		20, 21, 23	16	24, 26, 28.29, 31	
CVS 009	Peripheral Vascular Injuries	Prof. Dr. Bilgehan ERKUT	1		12, 23	5, 8, 37	24, 26, 28.29, 31	
CVS 010	Surgical Treatment of Mitral Valve Diseases	Associate Professor. Uğur KAYA	1		4, 7, 13, 23	25	8, 11, 24, 26, 28.29, 31	
CVS 011	Surgical Treatment of Aortic Valve Diseases	Associate Professor Eyüpserhat ÇALIK	1		4, 7, 13, 22, 23	25	8, 11, 24, 26, 28.29, 31	
CVS 012	Tetralogy of Fallot	Associate Professor Ümit ARSLAN	1		7, 22, 23	34	11, 24, 26, 28.29, 31	
CVS 013	Cardiopulmonary Bypass	Prof. Dr. Yahya ÜNLÜ	1		8	2, 6, 32, 33, 41, 43	24, 26, 28.29, 31	
CVS 014	Pericardial Effusion and Tamponade	Assistant Professor Ferhat BORULU	1		7, 8, 12, 18	30, 33	8, 11, 24, 26, 28.29, 31	

## 6. LEARNING METHODS OF THORACIC SURGERY – CARDIOVASCULAR SURGERY CLERKSHIP PROGRAM

LEARNING METHODS OF THORACIC SURGERY – CARDIOVASCULAR SURGERY CLERKSHIP PROGRAM	
<b>Learning Methods Related with Knowledge:</b>	
<ul style="list-style-type: none"> <li>• Structured learning activities carried out in clinical skills laboratories and simulated patient centers</li> <li>• Multidisciplinary laboratory practices</li> <li>• • Bedside trainings, visits, structured focused patient visit; service and polyclinic experiences</li> <li>• • Community-based learning activities (observing health risks in the workplace and schools, evaluating the services provided, service delivery in primary health care institutions, home visits, etc.)</li> <li>• • On-the-job learning and assessment</li> <li>• • Structured case discussion</li> </ul>	
<b>Learning Methods Related with Medical practices:</b>	
<ul style="list-style-type: none"> <li>• Classroom lesson / presentation: Lecture, instructor presentation, interactive lecture / classroom lessons</li> <li>• Interdisciplinary learning events (meetings, panels, group discussions)</li> <li>• • Case / problem-based interactive learning activities conducted with small groups (case-based evaluation, case discussion, clinical tutorials, etc.)</li> </ul>	

- Case-based learning
- Independent learning
- Multidisciplinary laboratory applications, anatomy laboratory applications
- • Project / research based learning

#### Learning Methods Related with Professionalism

- Interdisciplinary learning events (meetings, panels, forums, group discussions)
- Critical case discussions
- Reflection sessions
- • Student development file (portfolio) application
- • On-the-job learning and assessment (MiniPET)Critical situation discussions
- Reflection sessions
- Written visual texts readings and interpretations
- Student development file (portfolio) application
- On-the-job learning and assessment (MiniPET)

### 7. “STUDENT TRAINEE REPORT” FOR THORACIC SURGERY – CARDIOVASCULAR SURGERY

**CLERKSHIP** The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V THORACIC SURGERY – CARDIOVASCULAR SURGERY CLERKSHIP STUDENT TRAINEE REPORT			
Name:.....Surname:.....			
Student Number:		Date:...../...../.....	
I- Basic Medicine Practices	Learning Level**	Number of Applications	Teaching Staff Approve (Date)
<b>A. Taking Anamnesis</b>			
Taking general and problem-oriented stories	3	1*	
<b>B. Physical Examination (General and Problem-Oriented)</b>			
Cardiovascular system examination	3	1*	
UBI measurement	3	1*	
<b>C. Registration, Reporting and Notification</b>			
Write a prescription	3	1*	
Preparing a patient file	3	1	
<b>D. Laboratory Tests and Other Related Processes</b>			
Ability to take the laboratory sample under suitable conditions and send it to the laboratory under suitable conditions	3	3	
Ability to fill the request form for laboratory examination	4	3	
To be able to interpret the results of screening and diagnostic examinations	2	3*	
<b>E. Interventional and Non-Interventional Applications</b>			
Ability to open a central venous catheter	2	1*	
Ability to suture / suture primary incision	2	1	
<b>I-Total Basic Medicine Practice score (out of 5 point)</b>			

<b>II- Impression about the student- Professional Features appropriate for Physician</b> (Evaluated by the Department trainers)	
<b>Total Professionalism score (out of 5 point)</b>	
<b>III- Clinical Problem Solving (out of 5)</b> (Given from the performance shown in <b>Case Based Learning sessions</b> )	
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)</b>	
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <b>Teaching Staff</b> Date and Sign </div> <div style="text-align: center;"> <b>Head of Department</b> Date and Sign </div> </div>	

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

<b>Learning Level**</b>	<b>Explanation</b>
<b>1</b>	Knows how to practice and explains the results to patients and / or relatives.
<b>2</b>	In an emergency, performs the application in accordance with the guide / instruction
<b>3</b>	Performs the application* in uncomplicated, common, situations / cases.
<b>4</b>	Performs the application* including complex situations / cases.

\*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.

## 8. ASSESSMENT AND EVALUATION METHODS IN THORACIC SURGERY – CARDIOVASCULAR SURGERY CLERKSHIP

<b>ASSESSMENT AND EVALUATION METHODS IN THORACIC SURGERY – CARDIOVASCULAR SURGERY CLERKSHIP</b>	
<b>PRACTICAL-ORAL EXAMINATION</b>	
<ul style="list-style-type: none"> <li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (15%) <ul style="list-style-type: none"> <li>➤ <b>Basic Medicine Practices</b> (5 %).</li> <li>➤ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).</li> <li>➤ <b>Clinical Problem Solving</b> (Given from the performance shown in <b>Case Based Learning sessions</b>) (out of 5)</li> </ul> </li> <li>• <b>Practical Exam:</b> It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%)</li> <li>• <b>Oral Examination:</b> Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %)</li> <li>• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.</li> <li>• Students who fail the practical-oral examination, take the make-up exam.</li> <li>• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.</li> </ul>	
<b>THEORETICAL EXAM</b>	
<ul style="list-style-type: none"> <li>• It consists of a total of 100 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision)</li> <li>• Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.</li> </ul>	



- Students who fail the theoretical examination, take the make-up exam.

**SUCCESS GRADE**

- Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.

**MAKE-UP EXAM**

- If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

## SESSION V DERMATOLOGY AND VENEREOLOGY CLERKSHIP GUIDE

<b>Code</b>	TPT-501
<b>Period</b>	3 weeks

<b>Type</b>	Compulsory
<b>ECTS</b>	5

### DERMATOLOGY CLERKSHIP-Prerequisite Courses

<b>1</b>	the pre-clinical courses
<b>2</b>	courses in the relevant committee (s) in session 3

### REFERENCES(RESOURCE BOOK -OTHERS)

<b>1.</b>	Dermatology. Jean L. Bologna, Julie V. Schaffer, Lorenzo Cerroni, Jeffrey P. Callen, Edward W. Cowen, George J. Hruza, Joseph L. Jorizzo, Harvey Lui, Luis Requena, Thomas Schwarz, Antonio Torrelo. 2018
<b>2.</b>	Dermatoloji. Yalçın Tüzün, Mehmet Ali Güner, Server Serdaroğlu, Oya Oğuz, Varol Aksungur (Editörler); Nobel Tıp Kitabevi.
<b>3.</b>	Dermatoloji (Jean L Bologna). Hayriye Sarıcaoğlu, Emel Bülbül Başkan (Çeviri editörleri); Nobel Tıp Kitabevleri.
<b>4.</b>	Fitzpatrick's Dermatology in General Medicine. Lowell A. Goldsmith, Stephen I. Katz, Barbara A. Gilchrest, Amy S. Palle, David J. Leffell, Klaus Wolff (Editors); McGraw-Hill.
<b>5.</b>	Fitzpatrick'in Renkli Klinik Dermatoloji Atlası ve Özeti. Neslihan Şendur, Göksun Karaman, Ekin Şavk (Çeviri editörleri); Güneş Tıp Kitabevleri.
<b>6.</b>	UpToDate ( <a href="http://www.uptodate.com">http://www.uptodate.com</a> ).
<b>7.</b>	Andrews' Diseases Of The Skin: Clinical Dermatology, William D. James, Timothy G. Berger, Dirk M. Elston 2016

### DERMATOLOGY AND VENEREOLOGY CLERKSHIP- RULES FOR STUDENTS

<b>1</b>	Training starts on 08.00 in the morning and ends at 17.00 in the evening.
<b>2</b>	Students are expected to attend lectures, clinics and exams in a clean and well-maintained manner, with white coat and ID card.
<b>3</b>	The first course is planned as introduction to Dermatology and venereology clerkship. The students will be informed by the instructor about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medical practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
<b>4</b>	Students are expected to attend grand rounds every morning at 8.30 on weekdays
<b>5</b>	Students are required to keep the "Atatürk University Faculty of Medicine Trainee Report" which includes the knowledge, skills and attitudes expected to be gained during the clerkship prepared in accordance with the learning objectives and competencies. At the end of the clerkship, the Trainee Card must be approved by the director of the clerkship and delivered to the Department.
<b>6</b>	80% attendance is compulsory for the clerkship (in theoretical-practical sessions and grand rounds) and failure to attend with more than 20% of sessions leads to loss of the right to take the exam at the end of the clerkship.
<b>7</b>	Students will participate in scientific meetings, case presentations and seminars organized by the Department.
<b>8</b>	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
<b>9</b>	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at " <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ". The participation link to the survey will be sent to the students by the dean's management.

### 1. DERMATOLOGY AND VENEREOLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

OBJECTIVES OF THE DERMATOLOGY AND VENEREOLOGY CLERKSHIP	
The students are expected to gain following achievements at the end of the clerkship	
27.	To gain the necessary knowledge, skills and attitudes to diagnose and treat the most common dermatological diseases in our country and region in accordance with the learning objectives specified in the National Core Education Program.
28.	To be able to define and manage dermatological emergencies
29.	To be able to create and apply treatment plan for certain clinical conditions within the scope of expected learning level
30.	To be able to refer the patient when necessary after emergency intervention and treatment
31.	To grow up as physicians who are questioning and open-minded, and enthusiastic for research, who practice their profession within ethical rules, and who can approach the patient and their family in a holistic manner and empathize.
32.	To gain the knowledge, skills and professionalism characteristics identified for Dermatology clerkship.

## 2. DERMATOLOGY AND VENEREOLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Level of contribution	5	5	4	2	2	3	3	3	3	3	3	4		3	3	3	3	3	4	
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Level of contribution	3	4	3	3	3	3	3	2	3	3	3	3								

Level of contribution: -:no contribution 1 very low 2 low 3 intermediate 4 high 5 veryhigh

## 3. LEARNING OBJECTIVES OF THE DERMATOLOGY CLERKSHIP PROGRAM

- A. Frequent reasons for application:** During the Dermatology clerkship, it is expected to gain competence in following symptom / clinical conditions, forensic / psychosocial conditions, health conditions and environmental / global conditions.

88.	Oral sores,	5.	Genital sores	8.	Hair loss
89.	Rashes/skin lesions (maculopapular, bullous, vesicular, ulcerative etc)	6.	Pruritus	9.	Insect bites
90.	Skin and nail changes (dryness, color change etc)	7.	Petechiae, purpura, ecchymosis		

- B. KNOWLEDGE:** During the Dermatology and Venereology clerkship, students are expected to get knowledge at the levels identified in the "**Learning levels of Diseases / Clinical Problems**" listed below.

DERMATOLOGY CLERKSHIP- CLINICAL PROBLEMS LEARNING LEVELS	
LEARNING LEVELS	CLINICAL PROBLEM
In the clinical problems stated in the next column;  <b>To be able to define the Emergency situation (E) and manage emergency treatment and refer the patient to the specialist when necessary</b>	1.Anaphylaxis 2.Allergic reaction 12.Erythroderma 14. Drug side effects 21.Urticaria and angioedema

In the clinical problems stated in the next column;  To be able to put a preliminary diagnosis (PreD) and refer the patient to the specialist by making the necessary arrangements	7.Skin tumors 15.Leishmaniasis (cutaneous) 16.Autoimmune bullous dermatoses (pemphigus, Bullous pemphigoid, dermatitis herpetiformis) 20.Sarcoidosis 19.Systemic lupus erythematosus 23.Vasculitis 13.Tuberculosis (cutaneous)
In the clinical problems stated in the next column;  <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to refer the patient to the specialist by making the necessary preliminary procedures</b>	3.Alopecia 5.Behçet's Disease 12.Erythroderma 14.Drug side effects 17.Psoriasis, lichen planus, pityriasis rosea 18.Reactive dermatoses (erythema nodosum, erythema multiforme) 22.Vitiligo
In the clinical problems stated in the next column;  <b>To be able to Diagnose and Treat (DT)</b>	2.Allergic reaction 4.Acne vulgaris/rosacea 6.Sexually transmitted infections 8.Skin and soft tissue infections (bacterial, fungal, viral) 9.Parasitic diseases of the skin 10.Dermatitis (atopic, contact, seborrheic, diaper) 11.Infectious diseases with rash 21.Urticaria and angioedema
In the clinical problems stated in the next column;  <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	1.Anaphylaxis 6.Sexually transmitted infections 8.skin and soft tissue infections (bacterial, fungal, viral) 7.Skin tumors 9.Parasitic diseases of the skin 10.Dermatitis (atopic, contact, seborrheic, diaper) 11. Infectious diseases with rash 14. Drug side effects 15.Leishmaniasis (cutaneous) 21.Urticaria and angioedema

**C. SKILLS:** During the Dermatology and Venereology clerkship, it is expected to gain ability to practice at the levels identified in the “**Basic Medical Practices**” listed below.

LEARNING LEVELS OF BASIC MEDICAL PRACTICES IN DERMATOLOGY AND VENEREOLOGY CLERKSHIP	
LEARNING LEVEL	BASIC MEDICAL PRACTICES IN THE DERMATOLOGY CLERKSHIP

For the skills specified in the next column; make pre-assessment/evaluation in <b>uncomplicated</b> , frequent situations/cases, create necessary plans, inform patients and their relatives and does the practice <b>(Learning level 3).</b>	54. Drainage of soft tissue abscesses 55. Fight against infectious diseases in the community
For the skills specified in the next column; preevaluate the practice including <b>complex</b> situations/cases, creates necessary plans, informs the patient and relatives does the practice <b>(Learning Level 4)</b>	56. Following the principles of rational drug use 57. Taking an informed consent 58. Skin examination 59. Decontamination, disinfection, sterilisation, antisepsis 60. Preparing medical records 61. General and problem based history taking 62. Preparing patient file 63. Using light microscope 64. Prescribing 65. Reporting legally notifiable diseases and conditions

**D. BEHAVIORAL, SOCIAL SCIENCES AND HUMANITIES (BSSH)- LIST OF CONDITIONS:** It is expected to have sensitivity, knowledge and skills in the conditions related with “**Behavioral, Social sciences and Humanities**” listed below during the Dermatology and Venereology clerkship.

DERMATOLOGY AND VENEREOLOGY CLERKSHIP-BEHAVIORAL, SOCIAL SCIENCES AND HUMANITIES- LIST OF CONDITIONS	
	<b>1. Work and Health Interaction</b> 1. Occupational Diseases
	<b>2. Environment and Health Interaction</b> 2. Environmental diseases
	<b>3. Child neglect and abuse</b> 3. Abuse (physical, emotional, sexual)
	<b>91. Chronic Noninfectious Diseases</b> 4. Multimorbidity
	<b>92. Global climate crisis</b> 5. Epidemic diseases
	<b>6. Reproductive Health /Sexual Health</b> 6. Sexually transmitted diseases and ways of prevention

**E. Professionalism:** The attitudes listed below are expected to be gained during the Dermatology and Venereology clerkship.

DERMATOLOGY AND VENEREOLOGY CLERKSHIP- ATTITUDES TO BE GAINED IN TERMS OF PROFESSIONALITY
16. A holistic approach to health (bio - psycho - social and cultural), patient - centered, community oriented medicine
17. Right-based health approach
18. Communication skills, communication in difficult situations, interpersonal relations and teamwork.
19. History of Medicine and thought/values, physician identity and awareness, roles and limits in medicine

20. Medical ethics, ethical and professional values and responsibilities; humanitarian, social and cultural values and responsibilities
21. Patient rights, physician responsibility, patient-physician relationship
22. Problems and dilemmas for professionalism / ethics in health processes
23. Legal problems in health processes
24. Research and publication ethics
25. Determinants of health, inequality in health, gender and health.
26. Health systems, health policies.
27. Health economics and management.

#### 4. SESSION V DERMATOLOGY AND VENEREOLOGY CLERKSHIP EDUCATION PROGRAM

DERMATOLOGY AND VENEREOLOGY CLERKSHIP EDUCATION PROGRAM			
Days	Subject of The Lesson	Lesson Time	Teaching Staff
<b>I. Week</b>			
<b>Monday</b>	Information about clerkship and ethical and professional values in clinical practice	08.00-09.00	Dr. Erkeyman, Melikoğlu, Bilen, Pala will attend alternately
	Grand rounds	09.00-10.00	
	Elementary lesions (2)	10.00-12.00	Asst. Prof. Merve Hatun ERKAYMAN
	Cutaneous tuberculosis (2)	13.00-15.00	Asst. Prof. Handan BİLEN
	Inpatient- Outpatient clinics Inpatient clinics (Group 1) Outpatient clinics (Group 2)	15.00-16.00	Dr. Melikoğlu, Bilen, Pala, Erkeyman will attend alternately
<b>Tuesday</b>	Grand rounds	08.00-09.30	
	Dermatitis (2)	10.00-12.00	Assoc. Prof. Mehmet MELİKOĞLU
	Urticaria (2)	13.00-15.00	Asst. Prof. Erdal PALA
	Inpatient- Outpatient clinics	15.00-16.00	
<b>Wednesday</b>	Case-Based Learning (CBL) Session 1	08.00-10.00	Asst. Prof. Erdal PALA
	Pigment Disorders (1)	10.00-11.00	Asst. Prof. Handan BİLEN
	Syphilis (1)	11.00-12.00	Asst. Prof. Handan BİLEN
	Elective / Free study		
<b>Thursday</b>	Inpatient- Outpatient clinics	08.00-09.30	
	Inpatient- Outpatient clinics	10.00-12.00	
	Journal article hour	12.00-13.00	
	Inpatient- Outpatient clinics	13.00-14.00	
	Superficial fungal infections (2)	15.00-17.00	Asst. Prof. Merve Hatun ERKAYMAN
<b>Friday</b>	Grand rounds	08.00-09.30	
	Inpatient- Outpatient clinics	10.00-16.00	
<b>II. Week</b>			
<b>Monday</b>	Grand rounds	08.00-09.30	
	Mycosis Fungoides (1)	10.00-11.00	Assoc. Prof. Mehmet MELİKOĞLU
	Leishmaniasis (1)	11.00-12.00	Assoc. Prof. Mehmet MELİKOĞLU
	Skin and soft Tissue Infections (2)	13.00-15.00	Asst. Prof. Handan BİLEN
	Inpatient- Outpatient clinics	15.00-16.00	
<b>Tuesday</b>	Grand rounds	08.00-09.30	
	Viral Diseases (2)	10.00-12.00	Asst. Prof. Merve Hatun ERKAYMAN
	Papulosquamous Diseases (2)	13.00-15.00	Asst. Prof. Erdal PALA
	Inpatient- Outpatient clinics	15.00-16.00	
<b>Wednesday</b>	Case-Based Learning (CBL) Session 2	08.00-10.00	Asst. Prof. Üyesi Merve Hatun ERKAYMAN (1) Assoc. Prof. Mehmet MELİKOĞLU
	Connective Tissue Diseases (2)	10.00-12.00	Asst. Prof. Erdal PALA
	Elective/ Free study		
<b>Thursday</b>	Grand rounds	08.00-09.30	
	Journal article hour	12.00-13.00	
	Inpatient- Outpatient clinics	13.00-14.00	

	Bullous Diseases (2)	14.00-16.00	Asst. Prof. Handan BİLEN
<b>Friday</b>	Grand rounds	08.00-09.30	
	Inpatient- Outpatient clinics	10.00-14.00	
	Free study	14.00-16.00	
<b>Monday</b>	<b>III. Week</b>		
	Grand rounds	08.00-09.30	
	Alopecia (2)	10.00-12.00	Asst. Prof. Erdal PALA
	Acne Vulgaris and Rocasea (1)	13.00-14.00	Asst. Prof. Handan BİLEN
	Reactive Dermatoses (1)	14.00-15.00	Asst. Prof. Handan BİLEN
	Inpatient- Outpatient clinics	15.00-16.00	
<b>Tuesday</b>	Grand rounds	08.00-09.30	
	Sexually Transmitted Diseases (2)	10.00-12.00	Assoc. Prof. Mehmet MELİKOĞLU
	Parasitic Diseases of the skin (1)	13.00-14.00	Asst. Prof. Merve Hatun ERKAYMAN
	Behçet's Disease (1)	14.00-15.00	Asst. Prof. Erdal PALA
	Precancerous Lesions and Skin Tumors(2)	15.00-17.00	Assoc. Prof. Mehmet MELİKOĞLU
<b>Wednesday</b>	Case-Based Learning (CBL) Session 3	08.00-10.00	Assoc. Prof. Mehmet MELİKOĞLU Asst. Prof. Handan BİLEN
	UV Lights and Sun Protection(1)	10.00-11.00	Asst. Prof. Merve Hatun ERKAYMAN
	Cutaneous Drug Reactions (1)	11.00-12.00	Asst. Prof. Merve Hatun ERKAYMAN
	Student case report	13.00-14.00	
	Elective course / Free study		
<b>Thursday</b>	Grand rounds	08.00-09.30	
	Journal article hour	12.00-13.00	
	Inpatient- Outpatient clinics	13.00-14.00	
	Free Study	14.00-16.00	
<b>Friday</b>	Structered Practical (Oral) Examination	08.00-12.00	
	Theoretical (multiple choice) Examination	13.00.15.00	
	Post-clerkship feedback meeting	15.00-16.00	

## 5. MATCHING DERMATOLOGY AND VENEREOLOGY CLERKSHIP LECTURES WITH LEARNING OBJECTIVES

MATCHING DERMATOLOGY AND VENEREOLOGY CLERKSHIP LECTURES WITH LEARNING OBJECTIVES								
Code	Lecture	Teaching Staff	Theoretical (hours)	Practical (hours)	Symptoms/conditions	Clinical problem	Basic medical practices	BSSH
DERM001	Skin examination and Morphological Terminology	Asst. Prof. Merve H. ERKAYMAN		2	1,2,3,6,7		4,5,8,9	----
DERM002	Elementary Lesions	Asst. Prof. Merve H. ERKAYMAN	2		1,2,6	4, 7, 16,17, 18, 21, 22, 23	5,10	---
DERM003	Cutaneous Tuberculosis	Asst. Prof. Handan BİLEN	2		1,2	8, 24	2,3,5,8,10, 12	4, 5
DERM004	Superficial Fungal Infections	Asst. Prof. Merve H. ERKAYMAN	2	1	2,3,5,7	8, 11	2,3,5,6,8,10,11	1, 2
DERM005	Urticaria	Asst. Prof. Erdal PALA	2	1	2,5,8	1, 2, 14, 21	3,5,8,11	--
DERM006	Pigment Disorders	Asst. Prof. Handan BİLEN	1		2	8, 22	5,8	--
DERM007	Syphilis	Asst. Prof. Handan BİLEN	1		1,2,3,4,7	3, 6, 8, 11	2,3,5,8,11, 12	5, 6
DERM008	Dermatitis	Assoc. Prof.	2	1	2,3,5	2, 10,	3,4,5,8,11	1, 2

		Mehmet MELİKOĞL U						
DERM009	Bullous Diseases	Asst. Prof. Handan BİLEN	2	1	1,2,4,5,7	16	3,4,5,7,8,9 ,10	2
DERM010	Skin and Soft Tissue Infections	Asst. Prof. Handan BİLEN	2	1	2,3	8	1,3,5,6,7,8 ,9,11	2
DERM011	Mycosis Fungoides	Assoc. Prof. Mehmet MELİKOĞL U	1	1	2,5	7, 12	5	---
DERM012	Precancerous Lesions and Skin Tumors	Assoc. Prof. Mehmet MELİKOĞL U	2	1	2	7	5,8	2
DERM013	Viral Diseases	Asst. Prof. Merve H. ERKAYMAN	2	1	1,2	6, 8, 11	2,3,5,8,10, 11	2, 3, 6
DERM014	Papulosquamous Diseases	Asst. Prof. Erdal PALA	2	1	2,3,5,7	12,17,19	4,5,7,8,9	4
DERM015	Dermatological Emergencies	Asst. Prof. Erdal PALA		2	2,5	1,2,3,4,16,2 4	5	---
DERM016	Connective Tissue Diseases	Asst. Prof. Erdal PALA	2		1,2,5,6,7	3, 19, 20, 23	5,8	2, 4
DERM017	Drug Reactions	Asst. Prof. Merve H. ERKAYMAN	1	1	1,2,3,4,5,6,7	1,2,12,14,21 ,23	3,5	4
DERM018	Leishmaniasis	Assoc. Prof. Mehmet MELİKOĞL U	1	1	2,8	9, 15	2,5,10	2, 5
DERM019	Alopecia	Asst. Prof. Erdal PALA	2	1	7	3, 19, 17, 8	5,8	---
DERM020	Acne vulgaris and Rosacea	Asst. Prof. Handan BİLEN	1	1	2	4	1,3,5,8	2, 4
DERM021	Reactive Dermatoses	Asst. Prof. Handan BİLEN	1	1	1,2,4,7	14, 18	3,4,5,8,9	2, 4
DERM022	Sexually Transmitted Diseases	Assoc. Prof. Mehmet MELİKOĞL U	2	1	1,2,4	6, 8, 11,	2,4,5,8,10	1, 3, 5, 6
DERM023	Parasitic Diseases of the skin	Asst. Prof. Merve H. ERKAYMAN	1	1	2,3,5	9	2,3,5,6,8,1 0	2, 3, 6
DERM024	Behçet's Disease	Asst. Prof. Erdal PALA	1	1	1,2,4	5	5,7,8,9	2, 4
DERM025	UV Lights and Sun Protection	Asst. Prof. Merve H. ERKAYMAN	1		2,5	2, 7	5,8	2
DERM028	Grand rounds	Director of inpatient clinic						
DERM029	Inpatient- Outpatient clinics	Responsible trainer						



DERM030	Purpose and objectives of the clerkship meeting	Director of Clerkship comission	1					
DERM031	Post-clerkship feedback meeting	Director of Clerkship comission	1					

## 6. LEARNING METHODS OF DERMATOLOGY AND VENEREOLOGY CLERKSHIP PROGRAM

LEARNING METHODS OF DERMATOLOGY AND VENEREOLOGY CLERKSHIP PROGRAM
<b>Learning Methods Related with Knowledge:</b>
<ul style="list-style-type: none"> <li>• Multidisciplined laboratory practices</li> <li>• Bedside education, grand rounds, patient centered structured visits; outpatient and inpatient clinic experiences</li> <li>• On-the-job learning and assessment</li> <li>• Structured case discussion</li> </ul>
<b>Learning Methods Related with Medical practices:</b>
<ul style="list-style-type: none"> <li>• Interdisciplinary learning activities (meetings, panels, group discussions)</li> <li>• Case/problem-based interactive learning activites conducted with small groups (problem based learning,case discussion, clinical tutorials etc)</li> <li>• Independent learning</li> <li>• Multidisciplined laboratory practices</li> </ul>
<b>Learning Methods Related with Professionalism:</b>
<ul style="list-style-type: none"> <li>• Multidisciplined laboratory practices</li> <li>• Critical condition discussions</li> <li>• Student development file (portfolio)</li> <li>• On-the-job learning and assessment</li> </ul>

## 7.SESSION V DERMATOLOGY AND VENEREOLOGY TRAINEE REPORT

Basic medical practical skills of the students will be evaluated by “**Atatürk University Faculty of Medicine Trainee Report**” which is prepared in accordance with learning levels and objectives. After the student has completed basic medical practices, they should get an approval from the responsible trainer and then deliver the Trainee card to the Department.

ATATÜRK UNIVERSITY SESSION V DERMATOLOGY AND VENEREOLOGY TRAINEE REPORT			
NAME-SURNAME:			
NUMBER:		DATE:...../...../.....	
I-Basic Medical Practices	Learning Level**	Number	Approval of Trainer (Date)
Patient File :			
<b>A. History Taking</b>			
66. General and problem-oriented history taking	4	5*	
<b>B. General and Problem-Oriented Physical Examination</b>			
Skin examination	4	10*	
<b>C. Medical Recording, Reporting ve Notification</b>			
Obtaining informed consent	4	4	
Preparing medical records	4	3	
Prescribing	4	5*	
Preparing patient file	4	5*	
Reporting legally notifiable diseases and condititons	4	1	
<b>D. Laboratuvar Testleri ve İlgili Diğer İşlemler</b>			
Dekontaminasyon, dezenfeksiyon, sterilizasyon, antisepsi sağlayabilme	4	3	
Mikroskop kullanabilme	4	3	
<b>E. Interventional and noninterventional Practices</b>			
Rational drug use	3	1	
Drainage of soft tissue abscesses	3	1*	
<b>I-Total Score of Basic Medical Practices (out of 5 points)</b>			
<b>II-Impression about student- Professional Features appropriate for Physician (out of 5 points)</b>			
<b>(Evaluated by the Department trainers)</b>			
<b>III-Clinical Problem Solving (out of 5 points)</b>			
(Given from the performance shown in <b>Case Based Learning sessions</b> )			
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 15 points)</b>			
<b>Director of The Clerkship</b> Date and signature		<b>Head of Department</b> Date and signature	

\*: accompanied by teaching staff

\*\*Learning Level

## 8. ASSESSMENT AND EVALUATION METHODS IN DERMATOLOGY AND VENEREOLOGY CLERKSHIP

### ASSESSMENT AND EVALUATION METHODS IN DERMATOLOGY AND VENEREOLOGY

<b>CLERKSHIP</b>
<b>PRACTICAL –ORAL EXAMINATION</b>
<ul style="list-style-type: none"> <li>• <b>Trainee Report: Total</b> contribution to Practical-oral examination: % 15 <ul style="list-style-type: none"> <li>➤ <b>Basic Medical Practices</b>(% 5)</li> <li>➤ <b>Professionalism in Medical practices:</b>Evaluated by faculty members. Trainee's compliance with the clerkship rules and team work is taken into consideration.Contribution to Practical examination: % 5</li> <li>➤ <b>Clinical Problem Solving</b> (Given from the performance shown in <b>Case Based Learning sessions</b>) (out of 5 points)</li> </ul> </li> <li>• <b>Practical examination:</b> It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination: (% 10)</li> <li>• <b>Oral Examination:</b> Structured oral Exam (case-based structured questions evaluating clinical decision making and questions evaluating clinical information). Total contribution to Practical-Oral examination(% 75)</li> <li>• Students who score less then 60 points out of 100 from the practical-oral examination, in which the trainee card is also evaluated, are considered failed</li> <li>• Students who fail the practical-oral examination take the make-up exam</li> <li>• Student who fail the practical-oral examination can not take the theoretical (multiple choice) examination</li> </ul>
<b>THEORETICAL EXAMINATION</b>
<ul style="list-style-type: none"> <li>• It consists of 50 multiple choice questions in total. <ul style="list-style-type: none"> <li>- Case-based questions evaluating clinical decision making and questions evaluating clinical information.</li> </ul> </li> <li>• Students who score less then 60 points out of 100 from the theoretical (multiple choice) examination are considered failed.</li> <li>• Students who fail the theoretical (multiple choice) examination takes the make-up exam.</li> </ul>
<b>SUCCESS GRADE</b>
<ul style="list-style-type: none"> <li>• It is calculated by taking the average of the scores from the theoretical and practical examinations.</li> </ul>
<b>MAKE-UP EXAM</b>
<ul style="list-style-type: none"> <li>• If students who didn't take the practical-oral or theoretical examination or failed, does not take the make-up exam too or failed again, he/she is considered as failed from the clerkship. They should take Dermatology clerkship again.</li> </ul>

## SESSION V EAR NOSE AND THROAT DISEASES CLERKSHIP GUIDE

<b>Code</b>	TPT-502
<b>Period</b>	3 weeks

<b>Type</b>	Compulsory/Elective
<b>ECTS</b>	5

### EAR NOSE AND THROAT DISEASES CLERKSHIP- Prerequisite Courses

<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committee (s) in session 3

### REFERENCES (RESOURCE BOOK - OTHERS)

<b>1.</b>	Up To Date
<b>2.</b>	Handbook of Otolaryngology ISBN 9781626234086
<b>3.</b>	

### EAR NOSE AND THROAT DISEASES CLERKSHIP- RULES FOR STUDENTS

<b>1</b>	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
<b>3</b>	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
<b>4</b>	Students are obliged to keep the “ <b>Ataturk University Faculty of Medicine Trainee Report</b> ” which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
<b>5</b>	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
<b>6</b>	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”.
<b>7</b>	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “ <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ”. The participation link to the survey will be sent to the students by the dean's management.

### 1. CLERKSHIP- OBJECTIVE OF THE PROGRAM

#### OBJECTIVE OF THE EAR NOSE AND THROAT DISEASES CLERKSHIP PROGRAM

<b>1.</b>	By considering the learning objectives stated in the core training program at the end of the ear, nose and throat diseases internship; to be able to preliminary diagnose and diagnose important, common Ear, nose and throat diseases.
<b>2.</b>	To be able to perform emergency treatment for ENT by defining Emergencies (such as epistaxis, peripheral facial paralysis, abscess, deep neck infection, sudden hearing loss, nasal fracture, temporal bone fracture, vertigo, foreign body aspiration)
<b>3.</b>	Within the scope of the education level criteria; to be able to create and apply a treatment plan in necessary clinical situations.
<b>4.</b>	To ensure the referral of patients when necessary after emergency intervention and treatment.
<b>5.</b>	To be able to develop communication skills by understanding the importance of establishing patient-physician and physician-physician communication.
<b>6.</b>	To gain the knowledge, skills and professionalism characteristics determined for the internship.

## 2. THE EAR NOSE AND THROAT DISEASES CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	4	4	5	4	4	4	5	5	3	4	5	4	3	3		3	3	4	4	4
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levels	3	4	5	3	4					4	4	4								

**Contribution levels:** -:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high

## 3. LEARNING OBJECTIVES OF THE THE EAR NOSE AND THROAT DISEASES CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the The Ear Nose And Throat Diseases clerkship period

INTERNAL MEDICINE CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS					
1.	Halitosis	10	Runny nose / congestion	19	Ear pain / discharge
2.	Dry mouth,	11	Nose bleeding	20	Lymphadenopathy
3.	Wound in the mout	12	Balance problems	21	Cough
4.	Apnea	13	Dysphagia	22	Postnasal drip
5.	Fever	14	Dyspnea	23	Hoarseness
6.	Headache	15	Snoring	24	Stridor
7.	Dizziness	16	Hearing impairments	25	Tobacco use
8.	Sore throat	17	Speech disorders (aphasia, dysphasia, dysarthria, stuttering, etc.)	26	Foreign body (swallowing / aspiration / ear / nose)
9.	Mass of the neck	18	Corrosive exposure	27	Swallowing difficulties

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the "Diseases / Clinical Problems" listed below during the Internal Medicine clerkship period.

THE EAR NOSE AND THROAT DISEASES CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS	
LEARNING LEVELS	CLINICAL PROBLEM
In the clinical problems mentioned in the column next to;  <b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b>	1. Laryngeal obstruction 2. Facial paralysis 3. Foreign body related problems 4. Nose bleeding 5. Tracheotomy
In the clinical problems mentioned in the column next to;  <b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert</b>	6. Meniere's diseases 7. Head and neck tumors 8. Adenoid hypertrophy 9. Otosclerosis 10. Sleep-Apnea syndrome 11. Vestibular neuritis 12. Septum deviation
In the clinical problems mentioned in the column next to;  <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b>	13. Perforation of the eardrum 14. Foreign body related problems 15. Sudden hearing loss 16. Facial paralysis 17. Salivary Gland Diseases

In the clinical problems mentioned in the column next to;  <b>Be able to Diagnose and Treat (DT)</b>	18. Allergic rhinitis 19. Diphtheria 20. Mumps 21. Moniliyasis 22. Vehicle motion sickness 23. Upper respiratory infections 24. Benign paroxysmal positional vertigo 25. Otitis externa 26. Otitis media 27. Sinusitis
In the clinical problems mentioned in the column next to;  <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	28. Allergic rhinitis 29. Diphtheria 30. Mumps 31. Moniliyasis 32. Otitis externa 33. Otitis media 34. Upper respiratory infections 35. Head and neck tumors

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the ear nose and throat diseases Clerkship period.

<b>EAR NOSE AND THROAT DISEASES CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS</b>	
<b>LEARNING LEVELS</b>	<b>BASIC MEDICINE APPLICATIONS</b>
Skills specified in the adjacent column;  <b>Knows</b> how to practice and <b>explains</b> the results to patients and / or relatives  <b>(LEARNING LEVEL 1)</b>	-----
Skills specified in the adjacent column;  <b>In an emergency</b> , performs the application in accordance <b>with the guide / instruction</b> <b>(LEARNING LEVEL 2)</b>	-----
Skills specified in the adjacent column;  performs pre-assessment / evaluation in <b>uncomplicated</b> , frequent, cases creates necessary plans and informs patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 3)</b>	1. Head - neck and ENT examination 2. "Airway" application 3. Ability to put and take anterior nasal tampon 4. Opening a skin and soft tissue abscess 5. To be able to take a biological sample from the patient 6. Ability to remove the foreign body in the airway with the appropriate maneuver 7. To be able to apply Rinne - Weber and Schwabach tests 8. To be able to provide health education to the society 9. To be able to fight infectious diseases in the society 10. To be able to evaluate nystagmus examination and vestibular system 11. To be able to read and evaluate direct radiographs 12. To be able to evaluate audiological tests 13. To be able to apply Dix Hallpike test and Epley maneuver
Skills specified in the adjacent column;	14. To be able to take an anamnesis for general and disease 15. To evaluate mental state 16. Respiratory system examination

<p>Pre-evaluate the application including <b>complex</b> situations / cases, creates the necessary plans and informs the patients and their relatives <b>and does the application</b></p> <p><b>(LEARNING LEVEL 4)</b></p>	<p>17. To be able to inform the patient, to get consent  18. Being able to prepare epicrisis  19. To prepare patient file  20. To be able to issue a recipe  21. To be able to prepare refusal of treatment document  22. Being able to apply the principles of working with biological material  23. To be able to provide decontamination, disinfection, sterilization, antisepsis.  24. Filling out the request form for laboratory examination  25. Ability to take the laboratory sample under appropriate conditions and deliver it to the laboratory.  26. Hand washing  27. To be able to apply oxygen and nebul - inhaler treatment  28. To be able to use rational laboratory and imaging method</p>
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**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the “Behavioral, Social and Humanities” listed below during the ear nose and throat diseases clerkship period

EAR NOSE AND THROAT DISEASES CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	2. Addiction a. Alcohol b. Tobacco
	4. Work and health interaction a. Occupational diseases b. Work-related diseases f. Accidents at work
	Environment and health interaction b. Space and health  e. Exposure to harmful environmental factors (air pollution, water pollution, chemicals, biocidal products, endocrine disrupter, wastes, etc.)
	13. Accidents a. Home accidents b. Traffic accidents c. Accidents at work
	25. Health conditions a. Nutrition b. Physical, mental activity and exercise c. Sedentary life k. Mouth-dental health
	1. Technology and health interaction d. Current diagnostic-treatment tools
	1. Professionalism in Medicine a. Social accountability b. Honesty, respect for privacy, truth telling, respect for privacy c. Professional values, professional identity development and historical perspective, being open to professional and individual development D. Professional domination / organization / autonomy to. Defending health and profession

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Internal

ATTITUDES THAT SHOULD BE GAINED FOR <i>PROFESSIONALITY</i> DURING THE EAR NOSE AND THROAT DISEASES CLERKSHIP	
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.	
2. Rights-based health approach	
3. Communication skills, communication in difficult situations, interpersonal relations and teamwork	
4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.	
5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.	
6. Patient rights, physician responsibility, patient-physician relationship.	
7. Problems and dilemmas for professionalism / ethics in health processes.	
8. Legal problems in health processes.	
9. Research and publication ethics.	
10. Determinants of health, inequality in health, social gender and health.	
11. Health systems, health policies.	
12. Health economics and management.	
13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.	

#### 4. INTERNAL MEDICINE CLERKSHIP - WEEKLY COURSE PROGRAM

SESSION V EAR NOSE AND THROAT DISEASES CLERKSHIP- WEEKLY COURSE PROGRAM			
Days	Topic	Hour	Lecturer
Monday	I. Week		
	Information about internship and professional values in clinical applications	08.00-09.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task turns alternately
	Semiology	09.00-10.00	Assoc. Prof. Dr. M.S. GÖZELER
	Clinical practice in the patient	10.00-11.00	Assoc. Prof. Dr. M.S. GÖZELER
	Independent Working Hour	11.00-12.00	
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	13.30-17.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task turns alternately
Tuesday	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task
	Case-Based Learning (CBL) Session 1	09.00-12.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task turns alternately
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	13.30-15.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task turns alternately



	Tonsillopharyngeal Infections	15.00-16.00	Prof. Dr. B. AKTAN
	Tinnitus	16.00-17.00	Assoc. Prof. Dr. A.TATAR
<b>Wednesday</b>	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task turns alternately
	Head-Neck Congenital Anomalies	09.00-10.00	Assoc. Prof. Dr. M.S. SAKAT
	Independent Working Hour	10.00-11.00	
	ENT Medicine and ethics	11.00-12.00	Prof. Dr. Bülent Aktan
	Optional/Independent study	13.30-17.00	
<b>Thursday</b>	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	09.00-10.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task turns alternately
	ENT Emergencies I	10.00-11.00	Op. Dr. Abdulkadir Şahin
	Independent Working Hour	11.00-12.00	
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	13.30-16.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task turns alternately
	Otitis Media with Effusion	16.00-17.00	Prof. Dr. Ö. YÖRÜK
<b>Friday</b>	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task
	Independent Working Hour	09.00-10.00	
	Nasofarenx Tumors	10.00-11.00	Assoc. Prof. Dr. V. MUTLU
	Deep Neck Infections	11.00-12.00	Assoc. Prof. Dr. A.TATAR
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	13.30-17.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya dönüşümlü görev alacaktır.
<b>Monday</b>	<b>II. Week</b>		
	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task
	Approach to Head and Neck Masses	09.00-10.00	Assoc. Prof. Dr. K. KILIÇ
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	10.00-12.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task turns alternately
	Lip and Oral Cavity Cancers	14.00-15.00	Assoc. Prof. Dr. Z. KAYA
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	15.00-17.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task turns alternately
<b>Tuesday</b>	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task
	Case-Based Learning (CBL) Session 2	09.00-12.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task turns alternately
	Audiology	14.00-15.00	Assoc. Prof. Dr. V. MUTLU
	Meniere's Disease	15.00-16.00	Prof. Dr. B. AKTAN
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	16.00-17.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task turns alternately
<b>Wednesday</b>	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task
	Acute and Chronic Sinusitis	09.00-10.00	Assoc. Prof. Dr. M.S. SAKAT
	Laryngeal Diseases	10.00-11.00	Prof. Dr. Ö. YÖRÜK
	Independent Working Hour	11.00-12.00	
	Optional/Independent study	13.30-17.00	
<b>Thursday</b>	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task
	Independent Working Hour	09.00-10.00	

	Salivary Gland Diseases	10.00-11.00	Prof. Dr. B. AKTAN
	Sleep Apne Syndrome	11.00-12.00	Assoc. Prof. Dr. Z. KAYA
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	13.30-17.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task turns alternately
<b>Friday</b>	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task
	Independent Working Hour	09.00-10.00	
	Otosclerosis	10.00-11.00	Assoc. Prof. Dr. A.TATAR
	Hearing losses	11.00-12.00	Assoc. Prof. Dr. K. KILIÇ
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	13.30-17.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task turns alternately
	<b>III. Week</b>		
<b>Monday</b>	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task
	Independent Working Hour	09.00-10.00	
	External Ear Diseases	10.00-11.00	Assoc. Prof. Dr. M.S. GÖZELER
	ENT Emergencies II	11.00-12.00	Op. Dr. Abdulkadir Şahin
	Facial Nerve Diseases	14.00-15.00	Assoc. Prof. Dr. Z. KAYA
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	15.00-17.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task turns alternately
<b>Tuesday</b>	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task
	Acute and Chronic Otitis Media	09.00-10.00	Assoc. Prof. Dr. K.KILIÇ
	Nasal Cavity and Paranasal Sinus Tumors	10.00-11.00	Assoc. Prof. Dr. V. MUTLU
	Independent Working Hour	11.00-12.00	
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	13.30-15.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task turns alternately
	Case-Based Learning (CBL) Session 3	15.00-17.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task turns alternately
<b>Wednesday</b>	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya will take task
	Vertigo	09.00-10.00	Assoc. Prof. Dr. M.S. SAKAT
	Causes of Nasal Obstruction	10.00-11.00	Prof. Dr. Ö. YÖRÜK
	Independent Working Hour	11.00-12.00	
	Optional/Independent study	13.30-17.00	
<b>Thursday</b>	Independent Working Hour	08.00-17.00	
<b>Friday</b>	Oral examination	09.30-12.00	ENT Department Seminar Room
	Written examination	13.30-14.30	ENT Department Seminar Room
	Post-clerkship feedback meeting	15.00-17.00	ENT Department Seminar Room

## 5. MATCHING EAR NOSE AND THROAT DISEASES CLERKSHIP COURSES WITH LEARNING OBJECTIVES

MATCHING EAR NOSE AND THROAT DISEASES CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptoms / Conditions	Clinical problem	Basic Medical Practices	Behavioral, Social and Humanities
KBB001	ENT Examination and Semiology	Doç. Dr. M.S. GÖZELER	1	1	1, 3, 4, 9, 10, 11, 19, 20, 23, 26	Hepsi	1, 18, 20, 28	25k, 29d, 30a, 30b, 30c, 30d, 30e
KBB002	Nasopharyngeal	Doç. Dr. V.	1		1, 9, 10, 11,	4, 7	1, 5, 16, 18,	2a, 2b, 5e, 25a, 25k,

	Tumors	MUTLU			16, 17, 20, 22, 25		19, 24, 28	29d
KBB003	Audiology	Doç. Dr. V. MUTLU	1		12, 16	6, 9, 11, 15	1, 7, 10, 12, 18, 19	4a, 4b, 5b, 29d, 30a, 30b, 30c, 30d, 30e
KBB004	Tonsillopharyngeal Infections	Prof. Dr. B. AKTAN	1		1, 3, 5, 8, 9, 13, 14, 15, 17, 18, 25, 27	8, 10, 19, 23	1, 5, 8, 9, 18, 19, 20, 24, 26, 28	2a, 2b, 4a, 4b, 5b, 25a, 25k, 30a, 30b, 30c, 30e
KBB005	Nasal and Paranasal Sinus Tumors	Doç. Dr. V. MUTLU	1		2, 10, 11, 14, 15, 22, 25	4, 7, 12, 18, 27	1, 5, 11, 14, 16, 18, 19, 20, 24, 28	2a, 2b, 4a, 4b, 5b, 5e, 29d
KBB006	Salivary Gland Diseases	Prof. Dr. B. AKTAN	1		1, 2, 5, 9, 20	2, 7, 16, 17, 20	1, 5, 8, 9, 11, 18, 19, 20, 21, 23, 24, 25, 28	2a, 2b, 5e, 25a, 25b, 25c, 25k, 29d, 30b, 30c
KBB007	Facial Nerve Diseases	Doç. Dr. Z. KAYA	1		19	2, 16, 20, 26, 33	1, 11, 12, 14, 15, 17, 18, 19, 20, 28	4f, 5b, 13a, 13b, 13c, 25b, 29d
KBB008	vertigo	Doç. Dr. M.S. SAKAT	1		7, 12	6, 11, 24, 33	1, 8, 10, 12, 13, 14, 15, 17, 18, 19, 20, 21	5b, 13a, 13b, 13c, 25a, 25b, 25c, 29d, 30c, 30d
KBB009	Lip and Oral Cavity Cancers	Doç. Dr. Z. KAYA	1		1, 3, 13, 14, 15, 17, 20, 25, 27	7, 10, 35	1, 2, 5, 8, 14, 16, 17, 18, 19, 20, 21, 26, 28	2a, 2b, 4a, 4b, 5b, 5e, 25k, 29d, 30a, 30b, 30c
KBB010	Outer Ear Diseases	Doç. Dr. M.S. GÖZELER	1		16, 19, 26	3, 25, 32	1, 5, 8, 18, 19, 20, 22, 23, 24, 25, 26	4a, 4b, 5b, 5e, 25b
KBB011	Acute and Chronic Otitis Media	Doç. Dr. K.KILIÇ	1		5, 7, 12, 16, 19	2, 13, 26, 33	1, 5, 8, 12, 14, 17, 18, 19, 20, 22, 23, 24, 25, 26, 28	29d
KBB012	Meniere's Disease	Prof. Dr. B. AKTAN	1		7, 12, 16	6, 9, 11, 15, 24	1, 7, 10, 12, 14, 15, 17, 18, 19, 20, 21	25a, 25b, 29d, 30a, 30b, 30c, 30d, 30e
KBB013	Laryngeal Diseases	Prof. Dr. Ö. YÖRÜK	1		1, 4, 5, 8, 9, 13, 14, 17, 18, 20, 21, 23, 24, 25, 27	1, 5, 7, 10, 19, 21, 23, 35	1, 5, 8, 14, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 28	2a, 2b, 4a, 4b, 4e, 29d, 30b, 30c
KBB014	Obstructive Sleep Apnea Syndrome	Doç. Dr. Z. KAYA	1		4, 15	5, 8, 10, 14	1, 8, 11, 14, 16, 17, 18, 19, 20, 21	2a, 2b, 4f, 5b, 13a, 13b, 13c, 25a, 25b, 25c, 29d
KBB015	Acute and Chronic Sinusitis	Doç. Dr. M.S. SAKAT	1		1, 5, 6, 10, 21, 22, 25, 26	3, 4, 14, 27	1, 3, 5, 8, 11, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 28	5b, 29d
KBB016	ENT Emergencies-I	Op. Dr. Abdulkadir Şahin	1		4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 16, 18, 19, 24, 26, 27	1, 2, 3, 4, 5, 13, 14, 15, 16, 32, 33	Hepsi	4f, 5e, 13a, 13b, 13c, 29d, 30a, 30b, 30c, 30d, 30e
KBB017	Head-Neck Congenital Anomalies	Doç. Dr. M.S. SAKAT	1		4, 8, 9, 13, 14, 15, 17, 23, 24, 27	1, 2, 5, 7, 10, 19, 23	1, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28	5e, 29, d, 30a, 30b, 30c, 30d, 30e
KBB018	Deep Neck Infections	Doç. Dr. A.TATAR	1		5, 8, 9, 13, 14, 17,	5, 7, 17, 19, 20,	1, 4, 8, 9, 11, 14, 16,	4f, 5e, 13a, 13b, 13c, 25k, 29d

					20, 27	23, 35	17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28	
KBB019	otosclerosis	Doç. Dr. A.TATAR	1		16	9, 33	1, 7, 12, 14, 18, 19	29d
KBB020	ENT Emergencies-II	Op. Dr. Abdulkadir Şahin	1		4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 16, 18, 19, 24, 26, 27	1, 2, 3, 4, 5, 13, 14, 15, 16, 32, 33	Hepsi	4f, 5e, 13a, 13b, 13c, 29d, 30a, 30b, 30c, 30d, 30e
KBB021	Hearing Loss	Doç. Dr. K. KILIÇ	1		16, 17, 19	3, 6, 9, 13, 15, 20, 25, 26, 30, 32, 33	1, 7, 8, 9, 11, 12, 14, 17, 18, 19, 20	4a, 4b, 4f, 5b, 5e, 13a, 13b, 13c, 29d, 30a, 30b, 30c, 30d, 30e
KBB022	Approach to Head and Neck Masses	Doç. Dr. K. KILIÇ	1		5, 8, 9, 19, 20, 23, 24, 27	5, 7, 10, 23, 29, 30, 34, 35	1, 4, 5, 11, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28	25k, 29d, 30a, 30b, 30c, 30d, 30e
KBB023	Tinnitus	Doç. Dr. A.TATAR	1		7, 12, 16	6, 9, 33	1, 7, 8, 12, 14, 15, 18, 19, 20, 21	2a, 2b, 4a, 4b, 4f, 5b, 5e, 25a, 29d
KBB024	Causes of Nasal Obstruction	Prof. Dr. Ö. YÖRÜK	1		1, 2, 3, 6, 8, 10, 11, 14, 15, 17, 22	3, 4, 8, 10, 12, 18, 34	1, 3, 5, 6, 8, 11, 14, 16, 17, 18, 19, 2, 21, 22, 23, 24, 25, 26, 28	4a, 4b, 5b, 13a, 13b, 13c, 29d
KBB025	Secretary Otitis Media	Prof. Dr. Ö. YÖRÜK	1		16, 17	7, 8, 12, 18, 23, 32	1, 7, 11, 12, 14, 17, 18, 19, 20	2a, 2b, 29d
KBB026	Service Visit	ENT teaching members						
KBB027	Polyclinic / Operating Room Applications	ENT teaching members						
KBB028	Information about internship and Ethical and Professional Values meeting in Clinical Practices	Prof. Dr. B. AKTAN	1					
KBB029	Post-internship feedback meeting		1					

Code kısmına anabilim dalınızın İngilizcesini çağrıştıracak harfler sonrası numaralar ile sıralayınız (Lütfen uyarıyı silmeyi unutmayınız)

## 6. LEARNING METHODS OF EAR NOSE AND THROAT DISEASES CLERKSHIP PROGRAM

LEARNING METHODS OF INTERNAL MEDICINE CLERKSHIP PROGRAM	
Learning Methods Related with Knowledge:	
<ul style="list-style-type: none"> <li>• Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences</li> <li>• On-the-job learning and assessment</li> </ul>	

<ul style="list-style-type: none"> <li>• Structured case discussion</li> </ul>
<b>Learning Methods Related with Medical practices:</b>
<ul style="list-style-type: none"> <li>• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures</li> <li>• Interdisciplinary learning activities (meetings, panels, group discussions)</li> <li>• Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)</li> <li>• CBL (Case-based learning)</li> <li>• Independent learning</li> </ul>
<b>Learning Methods Related with Professionalism</b>
<ul style="list-style-type: none"> <li>• Critical situation discussions</li> <li>• Reflection sessions</li> <li>• Written visual texts readings and interpretations</li> <li>• Student development file (portfolio) application</li> </ul>

## 7. “STUDENT TRAINEE REPORT” FOR EAR NOSE AND THROAT DISEASES CLERKSHIP

The skills in the field of basic medicine practices expected in the Term V Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V EAR NOSE AND THROAT DISEASES CLERKSHIP STUDENT TRAINEE REPORT			
Name:.....Surname:.....			
Student Number:		Date:...../...../.....	
I- Basic Medicine Practices	Learning Level**	Number of Applications	Teaching Staff Approve (Date)
<b>A. Taking Anamnesis</b>			
To be able to take general and problematic stories	4	3*	
<b>B. Physical Examination (General and Problem-Oriented)</b>			
Head - neck and ENT examination	3	3*	
To be able to apply Rinne - Weber and Schwabach tests	3	3*	
To be able to interpret the results of screening and diagnostic purposes			
<b>C. Registration, Reporting and Notification</b>			
Writing prescriptions	4	3*	
Preparing a patient file	4	3	
<b>D. Laboratory Tests and Other Related Processes</b>			
Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions	4	3	
Filling the request form for laboratory examination	4	3	
To be able to interpret the results of screening and	3	3*	

diagnostic purposes			
<b>E. Interventional and Non-Interventional Applications</b>			
Be able to put and receive anterior nasal packing	<b>3</b>	1*°	
Ability to remove the foreign body in the airway with the appropriate maneuver	<b>3</b>	1°	
To be able to apply oxygen and nebul - inhaler treatment	<b>4</b>	2°	
Removal of the plugs and foreign bodies in the outer ear canal by appropriate intervention	<b>3</b>	1°	
<b>I-Total Basic Medicine Practice score (out of 5 point)</b>			
<b>II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)</b>			
<b>Total Professionalism score (out of 5 point)</b>			
<b>III- Clinical Problem Solving (out of 5)</b> (Given from the performance shown in <b>Case Based Learning sessions</b> )			
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)</b>			
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <b>Teaching Staff</b>  <b>Date and Sign</b> </div> <div style="text-align: center;"> <b>Head of Department</b>  <b>Date and Sign</b> </div> </div>			

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

<b>Learning Level**</b>	<b>Explanation</b>
<b>1</b>	Knows how to practice and explains the results to patients and / or relatives.
<b>2</b>	In an emergency, performs the application in accordance with the guide / instruction
<b>3</b>	Performs the application* in uncomplicated, common, situations / cases.
<b>4</b>	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

## 8. ASSESSMENT AND EVALUATION METHODS IN EAR NOSE AND THROAT DISEASES CLERKSHIP

<b>ASSESSMENT AND EVALUATION METHODS IN EAR NOSE AND THROAT DISEASES CLERKSHIP</b>
<b>PRACTICAL-ORAL EXAMINATION</b>
<ul style="list-style-type: none"> <li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (15%) <ul style="list-style-type: none"> <li>➤ <b>Basic Medicine Practices</b> (5 %).</li> <li>➤ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).</li> <li>➤ <b>Clinical Problem Solving</b> (Given from the performance shown in <b>Case Based Learning sessions</b>) (out of 5)</li> </ul> </li> <li>• <b>Practical Exam:</b> It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%)</li> <li>• <b>Oral Examination:</b> Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %)</li> <li>• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.</li> </ul>

- Students who fail the practical-oral examination, take the make-up exam.
- Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.

#### THEORETICAL EXAM

- It consists of a total of 40 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision)
- Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.
- Students who fail the theoretical examination, take the make-up exam.

#### SUCCESS GRADE

- Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.

#### MAKE-UP EXAM

- If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

### SESSION V INFECTION DISEASES CLERKSHIP GUIDE

<b>Code</b>	
<b>Period</b>	8 weeks

<b>Type</b>	Compulsory/Elective
<b>ECTS</b>	12

#### INFECTION DISEASES CLERKSHIP- Prerequisite Courses

<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committee (s) in session 3

#### REFERENCES (RESOURCE BOOK - OTHERS)

<b>1.</b>	Infectious Diseases Book
<b>2.</b>	Infectious Diseases and Microbiology Book
<b>3.</b>	Internal Diseases Semiology Book
<b>4.</b>	UptoDate

#### INFECTION DISEASES CLERKSHIP- RULES FOR STUDENTS

<b>1</b>	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
<b>3</b>	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
<b>4</b>	Students are obliged to keep the “ <b>Ataturk University Faculty of Medicine Trainee Report</b> ”

	which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at " <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ". The participation link to the survey will be sent to the students by the dean's management.

### 1. INFECTION DISEASES CLERKSHIP- OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE INFECTION DISEASES CLERKSHIP PROGRAM	
1.	To be able to make a preliminary diagnosis and diagnosis of important and common infectious diseases by considering the learning objectives specified in the core education program at the end of the infectious diseases internship.
2.	To be able to perform emergency treatment by identifying emergency situations (sepsis, meningitis, etc.) for infectious diseases and to provide referral when necessary.
3.	To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria
4.	To be able to provide referral when necessary after emergency intervention and treatment
5.	Comprehend the importance of establishing a good patient-physician and physician-physician communication and develop their skills.
6.	To gain the knowledge, skills and professionalism characteristics determined for the internship.
7.	To gain ability to interpret biological and serological markers in infectious diseases and evaluate routine laboratory results.

### 2. INFECTION DISEASES CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	5	3	5	3	4	5	4	5	2	4	4	4	3	2	3	2	4	4	2	2
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levels	3	3	3	2	4	2	2	4		3	3	3								

**Contribution levels:** -:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high

### 3. LEARNING OBJECTIVES OF THE INFECTION DISEASES CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Infection Diseases clerkship period

INFECTION DISEASES CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS					
1.	Fever	12	Diarrhea	23	Colic pains (renal, biliary, intestinal)
2.	Dizziness	13	Dysuria	24	lymphadenopathy
3.	Headache	14	Joint pain / swelling	25	Petechia, purpura, ecchymosis
4.	consciousness changes	15	Movement restriction in joints	26	Pollacuria / Nocturia hepatomegaly
5.	Throat ache	16	Weakness	27	Jaundice
6.	Mass on the neck	17	hematuria	28	Splenomegaly
7.	Nausea and vomiting	18	hepatomegaly Colic pains (renal, biliary, intestinal)	29	Tetani



8.	Runny nose / congestion	19	Hypothermia /Hyperthermia	30	Flank pain
9.	Nose bleeding	20	Abdominal pain tetany	31	ptosis
10.	Double vision	21	Musculoskeletal pain (waist, neck, back, hip and limb pain)		
11.	Skin rashes / lesions (maculopapular, bullous, vesicular)	22	Weight loss		

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the “**Diseases / Clinical Problems**” listed below during the Infection Diseases clerkship period.

INFECTION DISEASES CLERKSHIP- <i>CLINICAL PROBLEM LEARNING LEVELS</i>	
LEARNING LEVELS	CLINICAL PROBLEM
In the clinical problems mentioned in the column next to;  <b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b>	3. Food Poisoning 5. Dehydration 8. Gastroenteritis 11. Central nervous system infections 13. Crimean Congo hemorrhagic fever 17. Sepsis 19. Tetanus
In the clinical problems mentioned in the column next to;  <b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert</b>	18. Malaria 16. Anthrax 15. Rabies 14. Chronic hepatitis 1. HIV infection
In the clinical problems mentioned in the column next to;  <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b>	2. Acute hepatitis 19. Tetanus 13. Crimean Congo hemorrhagic fever
In the clinical problems mentioned in the column next to;  <b>Be able to Diagnose and Treat (DT)</b>	21. Upper respiratory infections 20. Urinary system infections 8. Gastroenteritis 7. Rash rash infectious diseases 6. Skin soft tissue infections, abscesses 5. Dehydration 4. Brucellosis 9. Gastrointestinal system parasitoses 10. Influenza
In the clinical problems mentioned in the column next to;  <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	21. Upper respiratory infections 1. HIV infection 3. Food poisoning 4. Brucellosis 5. Dehydration 6. Skin soft tissue infections, abscesses 7. Rash rash infectious diseases 8. Gastroenteritis 9. Gastrointestinal system parasitoses 10. Influenza 13. Crimean Congo hemorrhagic fever 14. Chronic hepatitis

	15. Rabies 16. Anthrax 18. Malaria 21. Upper respiratory infections
In the clinical problems mentioned in the column next to;  <b>be able to follow up (F) in necessary cases</b>	-

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Infection Diseases clerkship period.

INFECTION DISEASES CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	BASIC MEDICINE APPLICATIONS
Skills specified in the adjacent column;  <b>Knows</b> how to practice and <b>explains</b> the results to patients and / or relatives  <b>(LEARNING LEVEL 1)</b>	16.Ability to perform lumbar puncture
Skills specified in the adjacent column;  <b>In an emergency</b> , performs the application in accordance <b>with the guide / instruction</b> <b>(LEARNING LEVEL 2)</b>	-----
Skills specified in the adjacent column;  performs pre-assessment / evaluation in <b>uncomplicated</b> , frequent, cases creates necessary plans and informs patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 3)</b>	3. Head-neck and ENT examination 11. To interpret the results of screening and diagnostic purposes 15. Removal of ticks Combating communicable diseases in society 19. Being able to apply the principles of evidence-based medicine in the clinical decision making process. 20. Immunity in childhood and adults immunization
Skills specified in the adjacent column;  Pre-evaluate the application including <b>complex</b> situations / cases, creates the necessary plans and informs the patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 4)</b>	1. To be able to take general and problematic stories 2. To be able to evaluate mental state 3. Head-neck and ENT examination 4. Abdominal examination 5. Skin examination 6. General situation and evaluation of vital signs 7. To prepare patient file 8. Reporting and reporting legally notifiable diseases and conditions 9. To be able to prepare a recipe 10. Filling the request form for laboratory examination 11. To interpret the results of screening and diagnostic purposes 12. Rational drug use 13. Hand washing 14. To be able to request rational laboratory and imaging examination

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the Infection Diseases period

INFECTION DISEASES CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	<b>1. Combating infectious diseases in the community</b>

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Infection Diseases clerkship

ATTITUDES THAT SHOULD BE GAINED FOR <i>PROFESSIONALITY</i> DURING THE INFECTION DISEASES CLERKSHIP
<p>1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.</p> <p>2. Rights-based health approach</p> <p>3. Communication skills, communication in difficult situations, interpersonal relations and teamwork</p> <p>4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.</p> <p>5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.</p> <p>6. Patient rights, physician responsibility, patient-physician relationship.</p> <p>7. Problems and dilemmas for professionalism / ethics in health processes.</p> <p>8. Legal problems in health processes.</p> <p>9. Research and publication ethics.</p> <p>10. Determinants of health, inequality in health, social gender and health.</p> <p>11. Health systems, health policies.</p> <p>12. Health economics and management.</p> <p>13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.</p> <p>14. Work culture in coordination with other members of the team and disciplines</p> <p>15. Being able to share their knowledge and professional experience with other members of the team,</p>

#### 4. INFECTION DISEASES CLERKSHIP - WEEKLY COURSE PROGRAM

SESSION V INFECTION DISEASES CLERKSHIP- WEEKLY COURSE PROGRAM			
Days	Subject of The Lesson	Lesson Time	Teaching Staff
<b>I. Week</b>			
<b>Monday</b>	Information about Internship and Ethical and Professional Values in Clinical Practice	08.00-09.00	Head of Department or Responsible Trainer of Clerkship
	Overview of Infectious Diseases and ways of transmission	09.00-10.00	Asst. Prof. Fatma KESMEZ CAN
	Visiting and training on patient	10.00-12.00	Asst. Prof. Handan ALAY
	Laboratory diagnosis of Infectious Diseases	13.30-14.30	Assoc. Prof. Emine PARLAK

	Fever, fever of unknown origine, approach to the patient with fever	14.45-15.45	
	Independent Working Hour	15.45-17.00	
<b>Tuesday</b>	Service work	08.00-09.00	
	Upper respiratory tract infections and COVID-19	09.00-10.00	Proff. Ayşe ALBAYRAK
	Head and neck examination (practice)	10.15-11.15	Asst. Prof. Fatma KESMEZ CAN
	Visiting and training on patient	11.30-12.00	
	Seminar Hour	13.00-13.30	
	Case-Based Learning (CBL) Session 1	13.30-14.30	
	The principles of taking anamnesis	14.45-15.45	Assoc. Prof. Emine PARLAK
	Independent Working Hour	15.45-17.00	
<b>Wednesday</b>	Service work	08.00-09.00	
	Hepatitis (1)	09.00-10.00	Proff. Mehmet PARLAK
	Hepatitis (2)	10.15-11.15	Proff. Mehmet PARLAK
	Visiting and training on patient	11.30-12.00	
	Elective / Freelance Work	13.30-17.00	
<b>Thursday</b>	Service work	08.00-09.00	
	Approach to the patient with skin eruptions	09.00-10.00	Proff. Ayşe ALBAYRAK
	Visiting and training on patient	10.00-12.00	
	Sepsis-1	13.30-14.30	Asst. Prof. Handan ALAY
	Sepsis-2	14.45-15.45	Asst. Prof. Handan ALAY
	Independent Working Hour	15.45-17.00	
<b>Friday</b>	Service work	08.00-09.00	
	The principle of the use of antibiotics	09.00-10.00	Proff. Mehmet PARLAK
	Visiting and training on patient	10.00-12.00	
	Rabies-1	13.30-14.30	Proff. Ayşe ALBAYRAK
	Rabies-2	14.45-15.45	Proff. Ayşe ALBAYRAK
	Independent Working Hour	15.45-17.00	
<b>II. Week</b>			
<b>Monday</b>	Service work	08.00-09.00	
	Dysenteries	09.00-10.00	Proff. Ayşe ALBAYRAK
	Visiting and training on patient	10.00-12.00	
	Food poisonings and salmonella infections-2	13.30-14.30	Proff. Zülal ÖZKURT
	The importance of hospital infection and prevention	14.45-15.45	Proff. Ayşe ALBAYRAK
	Independent Working Hour	15.45-17.00	
<b>Tuesday</b>	Service work	08.00-09.00	
	Tetanus	09.00-10.00	Proff. Kemalettin ÖZDEN
	Intestinal parasites	10.15-11.15	Proff. Zülal ÖZKURT
	Visiting and training on patient	11.30-12.00	
	Seminar Hour	13.00-13.30	
	AIDS (HIV infections)-1	13.30-14.30	Assoc. Prof. Emine PARLAK
	AIDS (HIV infections)-2	14.45-15.45	Assoc. Prof. Emine PARLAK
	Independent Working Hour	15.45-17.00	
<b>Wednesday</b>	Service work	08.00-09.00	
	Food poisonings and salmonella infections-2	09.00-10.00	Proff. Zülal ÖZKURT
	Case-Based Learning (CBL) Session 2	10.15-11.15	
	Visiting and training on patient	10.00-12.00	
	Elective / Freelance Work	13.30-17.00	
<b>Thursday</b>	Service work	08.00-09.00	
	Abdominal examination (practice)	09.00-10.00	Asst. Prof. Fatma KESMEZ CAN
	Visiting and training on patient	10.00-12.00	
	Brucellosis	13.30-14.30	Proff. Kemalettin ÖZDEN

	Urinary tract infections	14.45-15.45	Proff. Kemalettin ÖZDEN
	Independent Working Hour	15.45-17.00	
<b>Friday</b>	Service work	08.00-09.00	
	Malaria	09.00-10.00	Asst. Prof. Fatma KESMEZ CAN
	Visiting and training on patient	10.00-12.00	
	Approach to the patient with meningitis	13.30-14.30	Asst. Prof. Handan ALAY
	Approach to the patient with jaundice	14.45-15.45	Proff. Kemalettin ÖZDEN
	Independent Working Hour	15.45-17.00	
<b>III. Week</b>			
<b>Monday</b>	Service work	08.00-09.00	
	Crimean-Congo Hemorrhagic Fever	09.00-10.00	Proff. Zülal ÖZKURT
	Approach to the patient with lymphadenopathy (Practice)	10.15-11.15	Asst. Prof. Fatma KESMEZ CAN
	Visiting and training on patient	11.30-12.00	
	Viral infectious skin disorders, mumps-1	13.30-14.30	Proff. Kemalettin ÖZDEN
	Viral infectious skin disorders, mumps-2	14.45-15.45	Proff. Kemalettin ÖZDEN
	Independent Working Hour	15.45-17.00	
<b>Tuesday</b>	Service work	08.00-09.00	
	Diabetic foot infections	09.00-10.00	Assoc. Prof. Emine PARLAK
	Visiting and training on patient	10.00-12.00	
	Seminar Hour	13.00-13.30	
	Anthrax, tularemia and biological warfare-1	13.30-14.30	Proff. Zülal ÖZKURT
	Anthrax, tularemia and biological warfare-2	14.45-15.45	Proff. Zülal ÖZKURT
	Independent Working Hour	15.45-17.00	
<b>Wednesday</b>	Service work	08.00-09.00	
	Meningitis and meningoencephalitis 1	09.00-10.00	Proff. Mehmet PARLAK
	Meningitis and meningoencephalitis 2	10.15-11.15	Proff. Mehmet PARLAK
	Visiting and training on patient	11.30-12.00	
	Elective / Freelance Work	13.30-17.00	
<b>Thursday</b>	Service work	08.00-09.00	
	Chemoprophylaxis and immunoprophylaxis	09.00-10.00	Proff. Mehmet PARLAK
	Visiting and training on patient	10.00-11.00	
	Case-Based Learning (CBL) Session 3	13.30-14.30	
	Approach to the patient with diarrhea	14.45-15.45	Asst. Prof. Handan ALAY
	Independent Working Hour	15.45-17.00	
<b>Friday</b>	Practical Exam	09.00-10.00	
	Theoretical Exam	13.30-14.30	

## 5. MATCHING INFECTION DISEASES CLERKSHIP COURSES WITH LEARNING OBJECTIVES

MATCHING INTERNAL MEDICINE CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptoms / Conditions	Clinical problem	Basic Medical Practices	Behavioral, Social and Humanities
EH001	Enf.Hastalıklarına genel bakış ve bulaşma yolları	Fatma Can	1		1,8,9,11,12,27,	1,2,4,7,10,12,13,14,15,16,18,21	1,6,13,17,18	
EH002	Ateş, nedeni bilinmeyen ateş ve ateşli hastaya yaklaşım	Emine Parlak	1		1,2,3,4,11,14,15,19,30	1,4,7,10,17	1,2,6	
EH003	Üst Solunum Yolu Enfeksiyonları	Ayşe Albayrak	1		1,3,8,14,21	10,21	1,2,3,6,7,9,11,20	1
EH004	Enfeksiyon hastalıklarında laboratuvar tanı	Handan Alay	1		1,4,17,23,27,30	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21	19,20,10,11	
EH005	Sepsis	Handan Alay	2		1,4,23,25,30	17	1,2,3,4,5,6,7,12,19	
EH006	Hepatitler	Mehmet parlak	2		7,16,27	2,14	17,19	
EH007	Baş-boyun	Fatma Can		1	1,6,24	7,10,12,13,21	3	

	muayenesi							
EH008	Lenfadenopati hastaya yaklaşım	Fatma Can		1	1,6,24	1,4,13	3	
EH009	Viral dök. Enf. Hastalıkları, kabakulak	Kemalettin Özden	2		1,11,25	7	5	1
EH010	Kuduz	Ayşe Albayrak	2		19,4	15	1,8,19,20	1
EH011	Döküntülü hastaya yaklaşım	Ayşe Albayrak		1	1,11,25	7	5	1
EH012	Antibiyotik Kullanma Prensipleri	Mehmet Parlak	1		4,13,17,23,30	3,4,8,9,11,16,17,20,21	9	
EH013	Dizanteriler	Ayşe Albayrak	1		1,12,23	5,8	4,6,9	1
EH014	Tifo ve Paratifolar	Zülal Özkurt	1		1,12,18,28		4,6	
EH015	Hastane Enfeksiyonlarının Önemi ve Önlenmesi	Ayşe Albayrak	1				13,17	
EH016	İshalli hastaya yaklaşım ve Dehidratasyon Tedavisi	Handan Alay	1		1,7,12,20,23,	5,8	1,2,6,14,9	
EH017	Barsak Parazitleri	Zülal Özkurt	1		12,20	9	9	
EH018	Besin Zehirlenmeleri	Zülal Özkurt	1		1,32,3,7,12,20	3	1,2,6,14,9	1
EH019	Batın muayenesi	Fatma Can		1	1,32,3,7,12,20	2,14	4	
EH020	Anamnez alma prensipleri	Emine Parlak		1	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21	1,2,6	
EH021	Üriner Sistem Enfeksiyonları	Kemalettin Özden	1		1,13,17,23,26,30	20,	1,6,9,12	
EH022	AIDS (HIV enfeksiyonları)	Emine Parlak	2		1,2416	1	311,14,18	1
EH023	Menenjitli hastaya yaklaşım	Handan Alay		1	1,2,3,4,10,	11	1,2,3,6,7,12,16	
EH024	İkterli hastaya yaklaşım	Kemalettin Özden	1		27	2,14	1,6,11,17	
EH025	Kırım Kongo Hemorajik Ateşi	Zülal Özkurt	1	1	1,2,3,5,7,8,9,11,12,16,17,20,21,25	13	1,6,11,17	1
EH026	Sıtma	Fatma Can	1		1,12,20,25	18	1,6,11,17	1
EH027	Diyabetik ayak enfeksiyonları	Emine Parlak	1		11	6	1,6,7,10,11	
EH028	Tetanoz	Kemalettin Özden	1		29	19	1,3,6,20	
EH029	Şarbon ve tularemi ve biyolojik savaş	Zülal Özkurt	2		11	16	1,6,14,17,18	1
EH030	Menenjit Ve Menengoensefalitler	Mehmet Parlak	2		1,2,3,4,10	11	1,2,3,6,7,9,10,11,12,14,16,19	
EH031	Kemoprofilaksi ve immunoprofilaksi	Mehmet Parlak	1		1,4,11,30	10,11,19	20	
EH032	Bruselloz	Kemalettin Özden	1		1,14,15,2118,28	4	1,4,9	1
EH033	Servis Viziti	Servis sorumlu öğretim üyesi		28				
EH034	Staj amaç ve hedeflerinin bildirilmesi toplantısı	Pdö sorumlu öğretim üyesi	1					
EH035	Staj sonrası geribildirim toplantısı	Pdö sorumlu öğretim üyesi	1					

## 6. LEARNING METHODS OF INFECTION DISEASES CLERKSHIP PROGRAM

<b>LEARNING METHODS OF INFECTION DISEASES CLERKSHIP PROGRAM</b>	
<b>Learning Methods Related with Knowledge:</b>	
<ul style="list-style-type: none"> <li>• Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences</li> <li>• On-the-job learning and assessment</li> <li>• Structured case discussion</li> </ul>	
<b>Learning Methods Related with Medical practices:</b>	
<ul style="list-style-type: none"> <li>• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures</li> <li>• Interdisciplinary learning activities (meetings, panels, group discussions)</li> <li>• Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)</li> <li>• CBL (Case-based learning)</li> <li>• Independent learning</li> </ul>	
<b>Learning Methods Related with Professionalism</b>	
<ul style="list-style-type: none"> <li>• Critical situation discussions</li> <li>• Written visual texts readings and interpretations</li> </ul>	

## 7. “STUDENT TRAINEE REPORT” FOR INFECTION DISEASES CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

<b>ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V INFECTION DISEASES CLERKSHIP STUDENT TRAINEE REPORT</b>			
<b>Name:.....Surname:.....</b>			
<b>Student Number:</b>		<b>Date:...../...../.....</b>	
<b>I- Basic Medicine Practices</b>	<b>Learning Level**</b>	<b>Number of Applications</b>	<b>Teaching Staff Approve (Date)</b>
<b>A. Taking Anamnesis</b>			
To be able to take general and problematic stories	4	3*	
To evaluate the mental situation	4	3	
<b>B. Physical Examination (General and Problem-Oriented)</b>			
Head - neck and ENT examination	3	3*	
Abdominal examination	4	3*	
Skin examination	4	3	
Evaluation of general condition and vital signs	4		
<b>C. Registration, Reporting and Notification</b>			
Writing prescriptions	4	3*	
Preparing a patient file	4	3	
<b>D. Laboratory Tests and Other Related Processes</b>			
Filling the request form for laboratory examination	4	3	
To be able to interpret the results of screening and diagnostic purposes	3	3*	
<b>E. Interventional and Non-Interventional Applications</b>			
Using medicine with care	4	3*	
Hand washing	4	3	

Ability to request rational laboratory and imaging examination	4	3	
Tick removal	3	1	
Ability to perform lumbar puncture	1	1	
<b>F. Preventive Medicine and Community Medicine Practices</b>			
Taking measures to prevent infections in public areas	4	3	
To be able to fight infectious diseases in the society	3	3	
<b>G. Scientific research principles and practices</b>			
To be able to apply the principles of evidence-based medicine in the clinical decision making process	3	3	
<b>H. Health</b>			
Bağışıklama-çocukluk çağı ve erişkinlerde	4	3	
<b>I-Total Basic Medicine Practice score (out of 5 point)</b>			
<b>II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)</b>			
<b>Total Professionalism score (out of 5 point)</b>			
<b>III- Clinical Problem Solving (out of 5)</b>			
(Given from the performance shown in <b>Case Based Learning sessions</b> )			
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)</b>			

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.

\*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.

## 8. ASSESSMENT AND EVALUATION METHODS IN INFECTION DISEASES CLERKSHIP

ASSESSMENT AND EVALUATION METHODS IN INFECTION DISEASES CLERKSHIP
<b>PRACTICAL-ORAL EXAMINATION</b>
<ul style="list-style-type: none"> <li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (15%) <ul style="list-style-type: none"> <li>➤ <b>Basic Medicine Practices</b> (5 %).</li> <li>➤ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).</li> <li>➤ <b>Clinical Problem Solving</b> (Given from the performance shown in <b>Case Based Learning sessions</b>) (out of 5)</li> </ul> </li> <li>• <b>Practical Exam:</b> It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%)</li> <li>• <b>Oral Examination:</b> Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %)</li> <li>• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.</li> <li>• Students who fail the practical-oral examination, take the make-up exam.</li> <li>• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.</li> </ul>
<b>THEORETICAL EXAM</b>



- It consists of a total of 5 written and 30 multiple choice questions (evaluating clinical information and clinical decision)
- Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.
- Students who fail the theoretical examination, take the make-up exam.

#### **SUCCESS GRADE**

- Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.

#### **MAKE-UP EXAM**

- If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

## SESSION V ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP GUIDE

<b>Code</b>	TPT-506	<b>Type</b>	Compulsory
<b>Period</b>	3 weeks	<b>ECTS</b>	5

### ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- Prerequisite Courses

<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committee (s) in session 3

### REFERENCES (RESOURCE BOOK - OTHERS)

<b>1.</b>	<i>Ortopedi ve Travmatoloji</i> İstanbul Tıp Fakültesi 185. Yıl Ders Kitapları Serisi Yazar : Proff. Cengiz Şen, Proff. Mehmet Çakmak, Proff. İrfan Öztürk Nobel Tıp Kitabevi
<b>2.</b>	<i>Ortopedi Notları Klinik Muayene Rehberi</i> Yazar : Dawn Gulick Çeviri Editörü: Proff. Uğur Şaylı, Yrd. Doç. Dr. Hakan Atalar Güneş Tıp Kitabevi
<b>3.</b>	<i>Ortopedik Alçı ve Atel Uygulamaları</i> Yazar : Hasan Hüseyin Ceylan Güneş Tıp Kitabevi

### ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- RULES FOR STUDENTS

<b>1</b>	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
<b>3</b>	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
<b>4</b>	Students are obliged to keep the “ <b>Ataturk University Faculty of Medicine Trainee Report</b> ” which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship.
<b>5</b>	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
<b>6</b>	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”.
<b>7</b>	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “ <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ”. The participation link to the survey will be sent to the students by the dean's management.

## 1. ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

### OBJECTIVE OF THE ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP PROGRAM

<b>1.</b>	To be able to make a preliminary diagnosis and diagnosis of important, common internal diseases by considering the learning objectives specified in the core training program at the end of the internal medicine internship.
<b>2.</b>	To be able to perform emergency treatment for internal diseases by defining emergencies (diabetic ketoacidosis, nonketotic hyperosmolar coma, adrenal insufficiency, hypercalcemia, hypocalcemia, oncological emergencies, hyperpotasemia, poisoning, kidney failure, shock, gastrointestinal bleeding)
<b>3.</b>	To be able to create and apply treatment plan in necessary clinical situations within the scope

	of education level criteria.
4.	To be able to provide referral when necessary after emergency intervention and treatment.
5.	Comprehend the importance of establishing a good patient-physician and physician-physician communication and develop their skills.
6.	To gain the knowledge, skills and professionalism characteristics determined for the internship.

## 2. ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	5	2	3	2	2	4	4	1	1	3	3	3	4	1	2	1	1	4	2	3
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levels	4	2	3	1	2	2	2	3	3	2	2	2								

**Contribution levels:** -:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high

## 3. LEARNING OBJECTIVES OF THE ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Orthopedics And Traumatology clerkship period

ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS			
1.	Low back and back pain	5.	Muscle weakness
2.	Neck pain	6.	Musculoskeletal pain (extremity and soft tissue)
3.	Joint pain / swelling	7.	Cramp
4.	Limitation of movement		

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the "Diseases / Clinical Problems" listed below during the Internal Medicine clerkship period.

ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS	
LEARNING LEVELS	CLINICAL PROBLEM
In the clinical problems mentioned in the column next to;  <b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b>	58.Crush Injury 60. Dislocation 80.Disc Hernia 89.Congenital structural anomalies 94. Limb trauma / fractures 114. Gas Gangrene 117. Developmental hip dysplasia (hip dislocation) 180. Bone tumors 190. Compartment Syndrome 212. Mechanical back pain 233. Spine Deformities 237. Osteoarthritis 238 Osteomyelitis 262.Poliomyelitis 297.Shock 298.Tenosynovitis
In the clinical problems mentioned in the column next to;	114. Gas Gangrene 117. Developmental hip dysplasia (hip dislocation) 180. Bone tumors

<b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert</b>	190. Compartment Syndrome 233. Spine Deformities 237. Osteoarthritis 238. Osteomyelitis 62. Poliomyelitis
In the clinical problems mentioned in the column next to;  <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b>	58. Crush Injury 60. Dislocation 297. Shock 98. Tenosynovitis
In the clinical problems mentioned in the column next to;  <b>Be able to Diagnose and Treat (DT)</b>	297. Shock 12. Mechanical back pain
In the clinical problems mentioned in the column next to; <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	80. Disc Hernia 17. Developmental hip dysplasia (hip dislocation)
In the clinical problems mentioned in the column next to;  <b>be able to follow up (F) in necessary cases</b>	237. Osteoarthritis 98. Tenosynovitis

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Orthopedics And Traumatology clerkship period.

<b>ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS</b>	
<b>LEARNING LEVELS</b>	<b>BASIC MEDICINE APPLICATIONS</b>
Skills specified in the adjacent column;  <b>Knows</b> how to practice and <b>explains</b> the results to patients and / or relatives  <b>(LEARNING LEVEL 1)</b>	C.4. Ability to consult on disability report E.16 Ability to open skin-soft tissue abscess
Skills specified in the adjacent column;  <b>In an emergency</b> , performs the application in accordance <b>with the guide / instruction</b>  <b>(LEARNING LEVEL 2)</b>	D.18. To be able to interpret the results of screening and diagnostic examinations E.5. To be able to request rational laboratory and imaging examination E.65. Ability to carry the severed limb after trauma properly

Skills specified in the adjacent column; Makes the preliminary assessment/evaluation of uncomplicated, frequent, situations / cases, creates the necessary plans, informs the patients and their relatives and makes the application <b>(LEARNING LEVEL 3)</b>	C.5. To prepare an epicrisis D.4. Evaluating direct radiographs E.6 Arterial blood gas collection E.44. To take example for culture
Skills specified in the adjacent column; Makes the preliminary assessment / evaluation of the application, including complex situations / cases, creates the necessary plans and informs the patients and their relatives and makes the application. <b>LEARNING LEVEL 4)</b>	A.1. Taking a general and problem-oriented story B.1.Forensic case examination B.2.Anthropometric measurements B.14.Musculoskeletal system examination C.3. Clarification and consent C.9. Arrangement of prescriptions E.7. Ability to prepare and apply a splint E.9. Ability to apply bandage, tourniquet E.29. To be able to take biological samples from the patient E.30 Ability to ensure proper transportation of the patient E.59. Ability to apply a cervical collar E.68.Ability to care for wounds and burns E.70. Ability to take and take superficial sutures

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the “**Behavioral, Social and Humanities**” listed below during the Orthopedics And Traumatology clerkship period

ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	2.Work and health interaction c. The effect of illness on work and return to work after illness (rehabilitation) f. work accidents
	6.Child neglect and abuse a. Abuse (physical, emotional, sexual)
	8.Difficulties in physician-patient interaction compatibility / rejection of preventive and therapeutic practices (e.g. vaccine)
	10. Legal and ethical issues a. Professional duties and obligations
	13. Accidents a.home accidents b.Traffic accidents c.work accidents d. Nuclear and industrial accidents
	17. Unusual circumstances / disasters b. Natural disasters c. Unusual circumstances (civil actions, terrorism, conflict, wars, mass injuries, etc.)

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Orthopedics And Traumatology clerkship

## ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP

1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.
2. Rights-based health approach
3. Communication skills, communication in difficult situations, interpersonal relations and teamwork
4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.
5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.
6. Patient rights, physician responsibility, patient-physician relationship.
7. Problems and dilemmas for professionalism / ethics in health processes.
8. Legal problems in health processes.
9. Research and publication ethics.
10. Determinants of health, inequality in health, social gender and health.
11. Health systems, health policies.
12. Health economics and management.
13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.
14. Work culture in coordination with other members of the team and disciplines
15. Being able to share their knowledge and professional experience with other members of the team,

### 4. ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM			
Days	Subject of The Lesson	Lesson Time	Teaching Staff
<b>I. Week</b>			
<b>Monday</b>	Information about Internship and Ethical and Professional Values in Clinical Practice	08:00-09:00	Proff. Orhan KARSAN
	Orthopedic examitaion of a patient-1	09.15-10.15	Assoc. Prof. Ali AYDIN
	Orthopedic examitaion of a patient-2	10.30-11.30	Assoc. Prof. Ali AYDIN
	Orthopedic terminology	13.00-14.00	Asst. Prof. Kutsi TUNCER
	Musculoskeletal Anatomy Overwiev-1	14.15-15.15	Asst. Prof. Muhammed Çağatay ENGİN
	Musculoskeletal Anatomy Overwiev-2	15.30-16.30	Asst. Prof. Muhammed Çağatay ENGİN
<b>Tuesday</b>	Polio and cerebral palsy	08.30-09.30	Asst. Prof. Mehmet KÖSE
	Orthopedic radiological evaluation-1	09.45-10.45	Asst. Prof. Mehmet KÖSE
	Orthopedic radiological evaluation-2	11.00-12.00	Asst. Prof. Mehmet KÖSE
	Orthopedic radiological evaluation-3	13.30-14.30	Asst. Prof. Mehmet KÖSE
	Open fractures	14.45-15.45	Proff. Naci EZİRMİK
<b>Wednesday</b>	Wound Care	08.30-09.30	Proff. Naci EZİRMİK
	Fat embolism	09:45-10.45	Proff. Naci EZİRMİK
	Elective / Freelance Work	13.30-17.00	
<b>Thursday</b>	Spondyloarthropathy and spinal disc herniation	08.30-09.30	Asst. Prof. Sinan YILAR
	Torticollis	09.45-10.45	Asst. Prof. Sinan YILAR
	Case-Based Learning (CBL) Session 1	10.30-12.00	Proff. Orhan KARSAN
	Case-Based Learning (CBL) Session 2	13.30-14.30	Proff. Ömer Selim YILDIRIM
	Case-Based Learning (CBL) Session 3	14.30-16.00	Proff. Naci EZİRMİK
<b>Friday</b>	Plaster, Splint and Traction-1	08.30-09.30	Proff. Ömer Selim YILDIRIM
	Plaster, Splint and Traction-2	09:45-10.45	Proff. Ömer Selim YILDIRIM
	Joint Dislocations and Treatment-1	13.30-14.30	Asst. Prof. Muhammed Çağatay ENGİN
	Joint Dislocations and Treatment-2	14.45-15.45	Asst. Prof. Muhammed Çağatay ENGİN
<b>II. Week</b>			
<b>Monday</b>	Talipes Equinovarus and other congenital	08:30-09.30	Assoc. Prof. Ali AYDIN

	foot deformities-1		
	Talipes Equinovarus and other congenital foot deformities-2	09.45-10.45	Assoc. Prof. Ali AYDIN
	Osteomyelitis and Septic Arthritis	11.00-12.00	Proff. Orhan KARSAN
	Traumatic Shock	13.30-14.30	Asst. Prof. Muhammed Çağatay ENGİN
<b>Tuesday</b>	Spine Injuries	08.30-09.30	Asst. Prof. Sinan YILAR
	First aid in musculoskeletal injuries, ambulation of the patient -1	09.45-10.45	Proff. Orhan KARSAN
	First aid in musculoskeletal injuries, ambulation of the patient-2	11.00-12.00	Proff. Orhan KARSAN
<b>Wednesday</b>	Injuries of the extremities (upper and lower extremities)	08.30-09.30	Proff. Ömer Selim YILDIRIM
	Elective / Freelance Work	13.30-17.00	
<b>Thursday</b>	Gas gangrene	08.30-09.30	Proff. Naci EZİRMİK
	Compartment syndrome	09.45-10.45	Proff. Naci EZİRMİK
	Case-Based Learning (CBL) Session 1	10.30-12.00	Assoc. Prof. Ali AYDIN
	Case-Based Learning (CBL) Session 2	13.30-14.30	Asst. Prof. Sinan YILAR
	Case-Based Learning (CBL) Session 3	14.30-16.00	Asst. Prof. Mehmet KÖSE
<b>Friday</b>	Malign Bone Cancers-1	08.30-09.30	Asst. Prof. Kutsi TUNCER
	Malign Bone Cancers-2	09:45-10.45	Asst. Prof. Kutsi TUNCER
	Developmental Dysplasia of The Hip-1	13.30-14.30	Asst. Prof. Mehmet KÖSE
	Developmental Dysplasia of The Hip-2	14.45-15.45	Asst. Prof. Mehmet KÖSE
<b>Monday</b>	<b>III. Week</b>		
	Scoliosis and kyphosis -1	08:30-09.30	Asst. Prof. Sinan YILAR
	Scoliosis and kyphosis -2	09.45-10.45	Asst. Prof. Sinan YILAR
<b>Tuesday</b>	Tracking of the Plaster Limb	08.30-09.30	Proff. Naci EZİRMİK
	Abscess Drainage, Nail Pulling and Minor Interventions	09.45-10.45	Proff. Orhan KARSAN
	Injuries of the extremities (hip and pelvis)	11.00-12.00	Assoc. Prof. Ali AYDIN
	Dysplasias of the bone and joints-1	13.30-14.30	Asst. Prof. Kutsi TUNCER
	Dysplasias of the bone and joints-2	14.45-15.45	Asst. Prof. Kutsi TUNCER
<b>Wednesday</b>	Joint and Cartilage Dysplasias-1	08.30-09.30	Proff. Ömer Selim YILDIRIM
	Joint and Cartilage Dysplasias-2	09:45-10.45	Proff. Ömer Selim YILDIRIM
	Elective / Freelance Work	13.30-17.00	
<b>Thursday</b>	(Practical Exam)	10.30-12.00	
<b>Friday</b>	(Theoretical exam)	10.00-12.00	

\* Trainee students will be divided into groups at the beginning of the internship and will receive training in the relevant clinics alternately in the presence of a responsible lecturer and assistant physician.

\*\* Trainee students will be divided into groups at the beginning of the internship and will receive training in the relevant clinics alternately in the presence of a responsible lecturer and assistant physician.

\*\*\* Trainee students will be divided into groups at the beginning of the internship and will receive training in the relevant clinics alternately in the presence of a responsible lecturer and assistant physician.

## 5. MATCHING ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

MATCHING ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptoms / Conditions	Clinical problem	Basic Medical Practices	Behavioral, Social and Humanities
	Orthopedic examitaion of a patient	Assoc. Prof. Ali AYDIN	2		1,2,3,4,5,6,7	58, 60, 80, 89, 94, 114, 117, 180, 190, 212, 233, 237, 238, 262, 297, 298	A.1, B.1, B.14,	2.f, 6.a, 13.a, 13.b, 13.c, 13.d, 17.b, 17.c
	Orthopedic terminology	Asst. Prof. Kutsi TUNCER	1		1,2,3,4,5,6,7	58, 60, 80, 89, 94, 114, 117, 180, 190, 212, 233, 237, 238, 262, 297, 298	A.1, C.5	2.f, 6.a, 13.a, 13.b, 13.c, 13.d, 17.b, 17.c
	Musculoskeletal Anatomy Overwiev	Asst. Prof. Muhammed Çağatay ENGİN	2		4,5,6	58, 60, 80, 89, 94, 114, 117, 180, 190, 212, 233, 237, 238, 262, 297, 298	B.14, E.7, E.59, D.4	2.f, 6.a, 13.a, 13.b, 13.c, 13.d, 17.b, 17.c
	Polio and cerebral palsy	Asst. Prof. Mehmet KÖSE	1		5,6,7	262	A.1, B.14	2.c, 2.f
	Orthopedic radiological evaluation	Asst. Prof. Mehmet KÖSE	3		6	58, 60, 80, 89, 94, 114, 117, 180, 190, 212, 233, 237, 238, 262, 297, 298	D.4, E.5	2.f, 6.a, 13.a, 13.b, 13.c, 13.d, 17.b, 17.c
	Open fractures	Proff. Naci EZIRMIK	1		4,6	58, 114, 238	A.1, B.14, D.4, E.7, E.9, E.30, E.68	2.f, 6.a, 13.a, 13.b, 13.c, 13.d, 17.b, 17.c
	Wound Care	Proff. Naci EZIRMIK	1		6	58, 114, 238	E.44, E.68	2.f, 13.a, 13.b, 13.c, 13.d, 17.b, 17.c
	Fat embolism	Proff. Naci EZIRMIK	1		1	58, 94	A.1, B.14, D.4	2.f, 13.a, 13.b, 13.c, 13.d, 17.b, 17.c
	Spondyloarthropat hy and spinal disc herniation	Asst. Prof. Sinan YILAR	1		1	80, 233	A.1, B.14, D.4, E.59	2.c, 8.a, 13.a, 13.b, 13.c, 17.b
	Torticollis	Asst. Prof. Sinan YILAR	1		2,4	89	A.1, B.14, D.4	8.a
	Plaster, Splint and Traction	Proff. Ömer Selim YILDIRIM	2		4,6	60, 89, 94	B.14, D.4, E.30	2.f, 10.a, 13.a, 13.b, 13.c, 17.b, 17.c
	Joint Dislocations and Treatment	Asst. Prof. Muhammed Çağatay ENGİN	2		3,4,6	60	A.1, B.14, D.4, E.9	2.c, 2.f, 13.a, 13.b, 13.c, 17.b, 17.c
	Talipes Equinovarus and other congenital foot deformities	Assoc. Prof. Ali AYDIN	2		4	89	A.1, B.14, D.4, E.9	8.a



	Osteomyelitis and Septic Arthritis	Proff. Orhan KARSAN	1		3,4	238	A.1, B.14, D.4, E.68, E.44	13.b, 13.c, 13.d
	Traumatic Shock	Asst. Prof. Muhammed Çağatay ENGİN	1		5	297	A.1, E.6, E.65, E.5, E, 30	10.a, 13.b, 13.c
	Spine Injuries	Asst. Prof. Sinan YILAR	1		1,6	80	E.30, E.59	13.b, 13.c, 17.b, 17.c
	First aid in musculoskeletal injuries, ambulation of the patient	Proff. Orhan KARSAN	2		4,6	58, 60, 94	E.30, E.59, E.65	13.a, 13.b, 13.c, 17.b, 17.c
	Injuries of the extremities (upper and lower extremities)	Proff. Ömer Selim YILDIRIM	1		3,4,6	58, 60, 94	A.1, B.14, E.7, E.30	2.f, 6.a, 13.a, 13.b, 13.c, 17.b
	Gas gangrene	Proff. Naci EZIRMIK	1		6	114	A.1, B.14, C.9, E.5, E.29, E.44	10.a, 13.b, 13.c, 13.d
	Compartment syndrome	Proff. Naci EZIRMIK	1		6	190	A.1, B.1, B.14, E.7	2.f, 13.b, 13.c, 17.b
	Malign Bone Cancers	Asst. Prof. Kutsi TUNCER	2		3	180	A.1, C.3, D.4	10.a
	Developmental Dysplasia of The Hip	Asst. Prof. Mehmet KÖSE	2		3,4	117	A.1, B.2, D.4, D.18	8.a, 10.a
	Scoliosis and kyphosis	Asst. Prof. Sinan YILAR	2		1,2,7	233	A.1, B.14, D.4	8.a, 10.a
	Tracking of the Plaster Limb	Proff. Naci EZIRMIK	1		7	190	B.14, E.7, D.4	8.a, 10.a, 13.a, 13.b, 13.c, 17.b, 17.c
	Abscess Drainage, Nail Pulling and Minor	Proff. Orhan KARSAN	1		6	114, 238	E.68, E.70	10.a, 13.b, 13.c
	Injuries of the extremities (hip and pelvis)	Assoc. Prof. Ali AYDIN	1		3,4,6	60, 94	A.1, B.1, B.14, D.4, E.30	2.f, 6.a, 13.a, 13.b, 13.c, 17.b
	Benign Bone Tumors	Asst. Prof. Kutsi TUNCER	2		6	180	A.1, C.3, D.4	10.a
	Joint and Cartilage Dysplasias	Proff. Ömer Selim YILDIRIM	2		6	89	B.2, B.14, D.4	8.a, 10.a

## 6. LEARNING METHODS OF ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP PROGRAM

LEARNING METHODS OF ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP PROGRAM	
Learning Methods Related with Knowledge:	
<ul style="list-style-type: none"> <li>Structured learning activities in clinical skill laboratories and simulated patient centers</li> <li>Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences</li> <li>On-the-job learning and assessment</li> <li>Structured case discussion</li> </ul>	
Learning Methods Related with Medical practices:	
<ul style="list-style-type: none"> <li>Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures</li> <li>Interdisciplinary learning activities (meetings, panels, group discussions)</li> <li>Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)</li> <li>CBL (Case-based learning)</li> <li>Independent learning</li> </ul>	

Learning Methods Related with Professionalism
<ul style="list-style-type: none"><li>• Critical situation discussions</li><li>• Reflection sessions</li><li>• Written visual texts readings and interpretations</li><li>• Student development file (portfolio) application</li><li>• On-the-job learning and assessment (MiniPET)</li></ul>

## 7. “STUDENT TRAINEE REPORT” FOR ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP STUDENT TRAINEE REPORT			
Name:.....Surname:.....			
Student Number:		Date:...../...../.....	
I- Basic Medicine Practices	Learning Level**	Number of Applications	Teaching Staff Approve (Date)
Hasta Dosya numarası:			
<b>A. Taking Anamnesis</b>			
Get information from the patient	4	1	
<b>B. Physical Examination (General and Problem-Oriented)</b>			
Examination of the limbs, pelvis and spine	3	5	
<b>C. Registration, Reporting and Notification</b>			
Prescription	4	1	
Preparing a patient file	4	1	
<b>D. Laboratory Tests and Other Related Processes</b>			
Ability to take the laboratory sample and send it to the laboratory under suitable conditions	4	3	
Ability to fill the request form for laboratory examination	4	3	
To be able to interpret the results of screening and diagnostic examinations	3	3	
<b>E. Interventional and Non-Interventional Applications</b>			
Ability to apply plaster, splint and bandage	3	3	
Open wound debridement and suturing	3	1	
Abscess drainage and / or infected wound care	4	1	
<b>I-Total Basic Medicine Practice score (out of 5 point)</b>			
<b>II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)</b>			
<b>Total Professionalism score (out of 5 point)</b>			
<b>III- Clinical Problem Solving (out of 5)</b> (Given from the performance shown in Case Based Learning sessions)			
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)</b>			
Teaching Staff Date and Sign		Head of Department Date and Sign	

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

<b>Learning Level**</b>	<b>Explanation</b>
<b>1</b>	Knows how to practice and explains the results to patients and / or relatives.
<b>2</b>	In an emergency, performs the application in accordance with the guide / instruction
<b>3</b>	Performs the application* in uncomplicated, common, situations / cases.
<b>4</b>	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

## **8. ASSESSMENT AND EVALUATION METHODS IN ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP**

<b>ASSESSMENT AND EVALUATION METHODS IN ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP</b>
<b>ACTICAL-ORAL EXAMINATION</b>
<ul style="list-style-type: none"> <li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (15%) <ul style="list-style-type: none"> <li>➢ <b>Basic Medicine Practices</b> (5 %).</li> <li>➢ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).</li> <li>➢ <b>Clinical Problem Solving</b> (Given from the performance shown in <b>Case Based Learning sessions</b>) (out of 5)</li> </ul> </li> <li>• <b>Practical Exam:</b> It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%)</li> <li>• <b>Oral Examination:</b> Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %)</li> <li>• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.</li> <li>• Students who fail the practical-oral examination, take the make-up exam.</li> <li>• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam.</li> </ul>
<b>THEORETICAL EXAM</b>
<ul style="list-style-type: none"> <li>• It consists of a total of 100 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision)</li> <li>• Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.</li> <li>• Students who fail the theoretical examination, take the make-up exam.</li> </ul>
<b>SUCCESS GRADE</b>
<ul style="list-style-type: none"> <li>• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.</li> </ul>
<b>MAKE-UP EXAM</b>
<ul style="list-style-type: none"> <li>• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.</li> </ul>

## SESSION V UROLOGY GUIDE

<b>Code</b>	TPT-510
<b>Period</b>	3 weeks

<b>Type</b>	Compulsory/Elective
<b>ECTS</b>	5

### UROLOGY CLERKSHIP- Prerequisite Courses

<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committee (s) in session 3

### REFERENCES (RESOURCE BOOK - OTHERS)

<b>1.</b>	Campbelle&Walsh Urology
<b>2.</b>	BASIC UROLOGY
<b>3.</b>	European Association of Urology Guidelines

### UROLOGY CLERKSHIP- RULES FOR STUDENTS

<b>1</b>	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
<b>3</b>	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
<b>4</b>	Students are obliged to keep the “ <b>Ataturk University Faculty of Medicine Trainee Report</b> ” which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship.
<b>5</b>	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
<b>6</b>	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”.
<b>7</b>	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “ <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ”. The participation link to the survey will be sent to the students by the dean's management.

### 1. UROLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

#### OBJECTIVE OF THE UROLOGY CLERKSHIP PROGRAM

<b>8.</b>	To evaluate the etiopathogenesis and clinical findings of surgical diseases related to the genitourinary system encountered in adult and pediatric patients; to gain the skills to diagnose, treat and refer to genitourinary system diseases at primary level
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## 2. UROLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	5	3	3		3	1	2	4	1	5	3	4	2		2		1			3
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levels	2	4	3	1	1		5	4	5	3	4	2								

**Contribution levels:** -:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high

## 3. LEARNING OBJECTIVES OF THE UROLOGY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Urology clerkship period

Urology CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS					
1.	Anüri-Oligüri	10	Impotans	18	Poliüri
2.	Fire	11	Infertilite	19	Pollaküri / Noktüri
3.	Nausea-vomiting	12	Undescended testicle	20	Puberty disorders (early - late)
4.	Sexual Disfonksion	13	Mass in the groin / scrotum	21	Urethral discharge
5.	Dizüri	14	Undescended testicle(renal, bilier, intestinal)	22	Üriner inkontinans
6.	Enürezis	15	Suspicious genitalia	23	Healthy sex life
7.	Change of color change in urine	16	Pelvic pain/ Pelvic mass	24	Reproductive health and rights
8.	Hematüri	17	Polidipsi	25	Scrotal pain
9.	Urinary retention			26	Flank pain

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the "Diseases / Clinical Problems" listed below during the Urology clerkship period.

UROLOGY CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS	
LEARNING LEVELS	CLINICAL PROBLEM
In the clinical problems mentioned in the column next to;  <b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b>	1. Genito-urinary trauma 2. Testicular torsion 3. Acute kidney injury 4. Acute glomerulonephritis 5. Obstructive uropathy 6. Chronic kidney damage 7. Urinary system stone disease
In the clinical problems mentioned in the column next to;  <b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert</b>	8. Benign prostatic hyperplasia 9. Genito-urinary trauma 10. Gas gangrene 11. Cystic diseases of kidney 12. Kidney anomalies 13. Kidney tumors 14. Sexual dysfunctions 15. Export disorders (Enuresis, encopresis) 16. Pheochromocytoma 17. varicocele 18. Testicular tumor 19. Prostate cancer 20. Bladder cancer

In the clinical problems mentioned in the column next to;  <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b>	21. hydrocele 22. Congenital structural anomalies 23. Hypospadias, epispadias 24. cryptorchidism 25. Urinary system stone disease 26. Acute kidney failure 27. Chronic kidney failure 28. Acute glomerulonephritis 29. Phimosis and parafimosis 30. Genital infections 31. Urinary system infections
In the clinical problems mentioned in the column next to;  <b>Be able to Diagnose and Treat (DT)</b>	32. Sexually transmitted infections 33. Tuberculosis 34. Urinary system infections 35. Genital infections
In the clinical problems mentioned in the column next to;  <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	36. Tuberculosis 37. Chronic kidney failure 38. Acute kidney failure 39. Sexually transmitted infections 40. Congenital structural anomalies 41. Bladder cancer 42. Prostate cancer 43. Urinary system stone disease

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Urology clerkship period.

UROLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	BASIC MEDICINE APPLICATIONS
Skills specified in the adjacent column;  <b>Knows</b> how to practice and <b>explains</b> the results to patients and / or relatives  <b>(LEARNING LEVEL 1)</b>	-----
Skills specified in the adjacent column;  <b>In an emergency</b> , performs the application in accordance <b>with the guide / instruction</b> <b>(LEARNING LEVEL 2)</b>	1. Ability to puncture suprapubic bladder
Skills specified in the adjacent column;  performs pre-assessment / evaluation in <b>uncomplicated</b> , frequent, cases creates necessary plans and informs patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 3)</b>	2. Urological examination 3. General situation and evaluation of vital signs 4. Digital rectal examination 5. Gynecological examination 6. Ability to insert urine catheter 7. Forensic case examination 8. Child and newborn examination 9. To be able to read and evaluate direct radiographs
Skills specified in the adjacent column;	10. Ability to take general and problematic stories 11. To be able to evaluate mental state 12. Lighting and obtaining consent

Pre-evaluate the application including <b>complex</b> situations / cases, creates the necessary plans and informs the patients and their relatives <b>and does the application</b>  <b>(LEARNING LEVEL 4)</b>	13. To prepare epicrisis 14. To prepare patient file 15. Prescribing a recipe 16. Rational drug use 17. To be able to prepare refusal of treatment document 18. Ability to fill the request form for laboratory examination 19. To be able to take the laboratory sample under appropriate conditions and deliver it to the laboratory. 20. Hand washing 21. To be able to request rational laboratory and imaging examination
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**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the “**Behavioral, Social and Humanities**” listed below during the Urology clerkship period

UROLOGY INTERNSHIP - BEHAVIORAL, SOCIAL AND HUMANITIES	
2.	Addiction
	b.Cigarate
29.	Technology and health interaction
	d. Current diagnostic-treatment tools
34.	Reproductive health / Sexual health
	a. Healthy sex life and counseling
	e. Sexually transmitted diseases and prevention ways

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Urology clerkship

ATTITUDES THAT SHOULD BE GAINED FOR <i>PROFESSIONALITY</i> DURING THE UROLOGY CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.
2. Rights-based health approach
3. Communication skills, communication in difficult situations, interpersonal relations and teamwork
4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.
5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.
6. Patient rights, physician responsibility, patient-physician relationship.
7. Problems and dilemmas for professionalism / ethics in health processes.
8. Legal problems in health processes.
9. Research and publication ethics.
10. Determinants of health, inequality in health, social gender and health.



11. Health systems, health policies.
12. Health economics and management.
13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.
14. Work culture in coordination with other members of the team and disciplines
15. Being able to share their knowledge and professional experience with other members of the team,

#### 4. UROLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

TERM V UROLOGY INTERNSHIP WEEKLY TRAINING PROGRAM			
Days	Subject of The Lesson	Lesson Time	Teaching Staff
<b>I. Week</b>			
<b>Monday</b>	Visit	08.45- 09.30	Together
	Informing about internship, ethical and professional values in clinical practice	09.45- 10.30	Assoc. Prof. Fatih ÖZKAYA
	Urinary System Imaging Methods	13.30- 14.30	Assoc. Prof. Fatih ÖZKAYA
	Intrascrotal Masses	14.45- 15.45	Proff. Özkan POLAT
	Freelance Study	15.45- 17.00	
<b>Tuesday</b>	Visit	08.45- 09.30	Together
	Specific Infections of the Urinary System-I	13.30- 14.30	Assoc. Prof. Fatih ÖZKAYA
	Specific Infections of the Urinary System-II	14.45- 15.45	Assoc. Prof. Fatih ÖZKAYA
	Freelance Study	15.45- 17.00	
<b>Wednesday</b>	Visit	08.45- 09.30	Together
	Urogenital Tract Trauma-I	09.30- 10.30	Proff. Şenol ADANUR
	Urogenital Tract Trauma-II	10.45- 11.45	Proff. Şenol ADANUR
	Elective / Freelance Study	13.30- 17.00	
<b>Thursday</b>	Visit	08.45- 09.30	Together
	Benign Prostatic Hyperplasia (BPH)-I	13.30- 14.30	Proff. Özkan POLAT
	Benign Prostatic Hyperplasia (BPH)-II	14.45- 15.45	Proff. Özkan POLAT
	Freelance Study	15.45- 17.00	
<b>Friday</b>	Visit	08.45- 09.30	Together
	Council and Case-Based Learning (CBL) Session 1	09.30- 10.30	
	Urogenital System Tumors-I	13.30- 14.30	Proff. Turgut YAPANOĞLU
	Urogenital System Tumors-II	14.45- 15.45	Proff. Turgut YAPANOĞLU
	Freelance Study	15.45- 17.00	
<b>II. Week</b>			
<b>Monday</b>	Visit	08.45- 09.30	Together
	Male infertility	13.30- 14.30	Proff. İsa ÖZBEY
	Male sexual dysfunction	14.45- 15.45	Proff. İsa ÖZBEY
	Freelance Study	15.45- 17.00	
<b>Tuesday</b>	Visit	08.45- 09.30	Together
	Female Sexual Function and Dysfunction	13.30- 14.30	Proff. İsa ÖZBEY
	Sexually Transmitted Urinary Tract Infections	14.45- 15.45	Proff. İsa ÖZBEY
	Freelance Study	15.45- 17.00	
<b>Wednesday</b>	Visit	08.45- 09.30	Together
	Undescended Testis	09.30- 10.30	Proff. Yılmaz AKSOY
	Konjental Urinary Obstruction	10.45- 11.45	Proff. Yılmaz AKSOY
	Elective / Freelance Study	13.30- 17.00	
<b>Thursday</b>	Visit	08.45- 09.30	Together

	Vesicoureteral Reflux	13. <sup>30</sup> - 14. <sup>30</sup>	Proff. Yılmaz AKSOY
	Obstructive uropathy	14. <sup>45</sup> - 15. <sup>45</sup>	Proff. Yılmaz AKSOY
	Freelance Study	15. <sup>45</sup> - 17. <sup>00</sup>	
<b>Friday</b>	Visit	08. <sup>45</sup> - 09. <sup>30</sup>	Together
	Council and Case-Based Learning (CBL) Session 2	09. <sup>30</sup> - 10. <sup>30</sup>	
	Urogenital System Tumors-III	13. <sup>30</sup> - 14. <sup>30</sup>	Prof.Dr. Turgut YAPANOĞLU
	Urogenital System Tumors-IV	14. <sup>45</sup> - 15. <sup>45</sup>	Prof.Dr. Turgut YAPANOĞLU
	Freelance Study	15. <sup>45</sup> - 17. <sup>00</sup>	
<b>Monday</b>	<b>III. Week</b>		
	Visit	08. <sup>45</sup> - 09. <sup>30</sup>	Together
	Urological emergency	13. <sup>30</sup> - 14. <sup>30</sup>	Assoc. Prof. Fatih ÖZKAYA
	Urolithiasis-I	14. <sup>45</sup> - 15. <sup>45</sup>	Assoc. Prof. Fatih ÖZKAYA
	Freelance Study	15. <sup>45</sup> - 17. <sup>00</sup>	
<b>Tuesday</b>	Visit	08. <sup>45</sup> - 09. <sup>30</sup>	Together
	Urolithiasis-II	13. <sup>30</sup> - 14. <sup>30</sup>	Assoc. Prof. Fatih ÖZKAYA
	ESWL in the Treatment of Urolithiasis	14. <sup>45</sup> - 15. <sup>45</sup>	Assoc. Prof. Fatih ÖZKAYA
	Freelance Study	15. <sup>45</sup> - 17. <sup>00</sup>	
<b>Wednesday</b>	Visit	08. <sup>45</sup> - 09. <sup>30</sup>	Together
	Endourologic Treatments of Urinary Tract Stone Disease	09. <sup>30</sup> - 10. <sup>30</sup>	Proff. Şenol ADANUR
	Overactive Bladder	10. <sup>45</sup> - 11. <sup>45</sup>	Proff. Yılmaz AKSOY
	Elective / Freelance Study	13. <sup>30</sup> - 17. <sup>00</sup>	
<b>Thursday</b>	Visit	08. <sup>45</sup> - 09. <sup>30</sup>	Together
	Practice Exam (Oral)	10. <sup>00</sup> - 12. <sup>00</sup>	
<b>Friday</b>	Visit	08. <sup>45</sup> - 09. <sup>30</sup>	Together
	Council and Case-Based Learning (CBL) Session 3	09. <sup>30</sup> - 10. <sup>15</sup>	
	Theoretical Examination (Written)	10. <sup>30</sup> - 11. <sup>00</sup>	

## 5. MATCHING UROLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

TERM V UROLOGY INTERNSHIP COURSES PAIRING WITH LEARNING OBJECTIVES							
Lesson code	The subject of the lecture	Faculty members	Theoretical Clock	Practical Clock	With symptoms / conditionr	Clinical problem	Basic medical practices
ÜRO001	Urinary System Imaging Methods	Doç.Dr.Fatih ÖZKAYA	1	2			11
ÜRO002	Urinary System Infections 2	Doç.Dr.Şenol ADANUR	1	1	2,5,8,16	31,34,37	1,2,10,21,22
ÜRO003	Urinary System Infections -I	Dr.Öğrt.Üyesi.Fatih ÖZKAYA	1	1	2,5,8,16	33	1,2,10,21,22
ÜRO004	Urogenital System Tumors- I	Doç.Dr.Şenol ADANUR	1	1	8,14	11,13	1,2,10,11,15, 16,17,20,21,22
ÜRO005	Overactive Bladder	Prof.Dr. Yılmaz AKSOY	2	1	22		1,2,10,12,13, 19,21
ÜRO007	Urogenital System Tumors - II	Prof.Dr.Turgut YAPANOĞLU	1	2	8,14	21	1,2,3,5,10,11, 12,14,21,22
ÜRO008	Benign Prostate Hyperplasia (BPH)	Prof.Dr.Özkan POLAT	1	2	1,5,8,9,16,19, 22	8	1,2,3,5,6, 10,18,21
ÜRO009	Urogenital System Tumors - III	Prof.Dr.Turgut YAPANOĞLU	1	2	8,9,16,24	20	1,2,3,5,10,11, 12,14,21,22
ÜRO010	Intrachrotal Masses	Prof.Dr.Özkan POLAT	1	2	11,13,24	19,22	1,2,3,10,11, 12,14,21,22
ÜRO011	Male Infertility	Prof.Dr.Isa ÖZBEY	1	2	10,11,12,13,2	14,18,19	1,2,3,10,11,

					3,24		12,14,21,22
ÜRO012	Male Sexual Dysfunctions	Prof.Dr.Isa ÖZBEY	1	1	4,10,11,23,24	14,18,20,21	7,9,12,13,18,19,20
ÜRO013	Female Sexual Function and Dysfunction	Prof.Dr.Isa ÖZBEY	1		4,5,11,20,22,23,24	14,17,21,34,27,31,33	7,9,10,12,13,18,19,20,21
ÜRO014	Urinary System Infections -III	Prof.Dr.Isa ÖZBEY	1		4,10,11,23,24	14,31,34	7,9,12,13,18,19,20
ÜRO015	Urological Emergencies	Doç.Dr.Fatih ÖZKAYA	1	2	12,13	23,25,30	1,8
ÜRO016	Congenital Urinary System Obstruction	Prof.Dr.Yılmaz AKSOY	1	1	3,14	5,12,23	8,10,11,17,21
ÜRO017	Vesico Urethral Reflux	Prof.Dr.Yılmaz AKSOY	1	1	2,3,5,6,22	4,6,15,33	8,10,11,18
ÜRO018	Obstructive Uropathy	Prof.Dr.Turgut YAPANOĞLU	2	1	3,14	5,12,23	8,10,11,17,21
ÜRO020	Urinary System Tumors-IV	Prof.Dr.Turgut YAPANOĞLU	1	1	8,14,16	13	1,2,10,11,12,17,21,
ÜRO022	Urolithiasis-I	Doç.Dr.Fatih ÖZKAYA	1	1	1,2,3,5,8,14	3,4,5,7,33	1,2,10,11,17,18
ÜRO023	ESWL in Urolithiasis Treatment	Doç.Dr.Fatih ÖZKAYA	1	1	1,2,3,5,8,14	3,4,5,7,33	1,2,10,11,17,18
ÜRO024	Endourological Interventions in Urinary System Stone Disease	Doç.Dr.Şenol ADANUR	1	1	1,2,3,5,8,14	3,4,5,7,33	1,2,10,11,17,18
ÜRO025	Urinary Traumas-I	Doç.Dr.Şenol ADANUR	1	1	8,9,14,16,	1	1,2,7,9,10,11,13,14,
ÜRO026	Urinary Traumas -II	Doç.Dr.Şenol ADANUR	1		8,9,14,16,	1	1,2,7,9,10,11,13,14,
	Polyclinic / Operating Room Applications	Faculty Members		22			
	Notification of the aims and objectives of the internship meeting	Head of internship commission	1				
	Post-internship feedback meeting	Head of internship commission	1				

## 6. LEARNING METHODS OF UROLOGY CLERKSHIP PROGRAM

### LEARNING METHODS OF UROLOGY CLERKSHIP PROGRAM

#### Learning Methods Related with Knowledge:

- Structured learning activities in clinical skill laboratories and simulated patient centers
- Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences
- On-the-job learning and assessment
- Structured case discussion

#### Learning Methods Related with Medical practices:

- Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures
- Interdisciplinary learning activities (meetings, panels, group discussions)
- Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)
- CBL (Case-based learning)
- Independent learning

#### Learning Methods Related with Professionalism

- Critical situation discussions
- Reflection sessions
- Written visual texts readings and interpretations
- Student development file (portfolio) application
- On-the-job learning and assessment (MiniPET)

## 7. “STUDENT TRAINEE REPORT” FOR UROLOGY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY MEDICAL FACULTY PERIOD V UROLOGY INTERNSHIP STUDENT SCORE			
ADI-SOYADI:		DATE:...../...../.....	
No:			
I-Basic Medicine Practices	Learning Level **	Number	Internship Officer Approval (Date)
A. Taking Story			
To be able to take a history for the general and urogenital system	4	2	
<b>B. General and Problem-Oriented Physical Examination</b>			
Genitourinary system examination	3	3	
Digital rectal examination	3	3	
Abdominal examination	3	3	
<b>C. Record Keeping, Reporting and Notification</b>			
Writing prescriptions	4	5	
Preparing a patient file	4	2	
<b>D. Laboratory Tests and Other Related Processes</b>			
Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions	4	2	
Filling the request form for laboratory examination	4	5	
To be able to interpret the results of screening and diagnostic purposes	3	5	
<b>E. Interventional and Non-Interventional Applications</b>			
Reading and evaluating direct radiographs	3	5	
Urinary catheter insertion	3	2	
<b>Total Basic Medicine Practice score (out of 10 points)</b>			
<b>II-Student's impression- Professionalism appropriate for Medicine (Assessed by Faculty Members) (out of 5 points)</b>			
<b>Compliance with internship rules</b>			
<b>Adaptation to team work</b>			
<b>III- Clinical Problem Solving (out of 5)</b>			
(Given from the performance shown in Case Based Learning sessions)			
<b>Internship Responsible</b>		<b>Head of department</b>	
<b>Doç. Dr. Fatih ÖZKAYA</b>		<b>Prof.Dr. İsa ÖZBEY</b>	
.../.../....		.../.../....	

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

\*\*Learning Level\*\*

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

## 8. ASSESSMENT AND EVALUATION METHODS IN UROLOGY CLERKSHIP

ASSESSMENT AND EVALUATION METHODS IN UROLOGY CLERKSHIP
PRACTICAL-ORAL EXAMINATION
<ul style="list-style-type: none"> <li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (20%) <ul style="list-style-type: none"> <li>➢ <b>Basic Medicine Practices</b> (10 %).</li> <li>➢ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).</li> <li>➢ <b>Clinical Problem Solving</b> (Given from the performance shown in <b>Case Based Learning sessions</b>) (out of 5)</li> </ul> </li> <li>• <b>Oral Examination:</b> Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (80 %)</li> <li>• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.</li> <li>• Students who fail the practical-oral examination, take the make-up exam.</li> <li>• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam</li> </ul>
THEORETICAL EXAM
<ul style="list-style-type: none"> <li>• It consists of a total of 25 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision)</li> <li>• Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.</li> <li>• Students who fail the theoretical examination, take the make-up exam.</li> </ul>
SUCCESS GRADE
<ul style="list-style-type: none"> <li>• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.</li> </ul>
MAKE-UP EXAM
<ul style="list-style-type: none"> <li>• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.</li> </ul>

## SESSION V PSYCHIATRY CLERKSHIP GUIDE

<b>Code</b>	TPT-508
<b>Period</b>	3weeks

<b>Type</b>	Compulsory/Elective
<b>ECTS</b>	5

### PSYCHIATRY CLERKSHIP-Prerequisite Courses

<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committee (s) in session 3

### REFERENCES(RESOURCE BOOK -OTHERS)

<b>1.</b>	Comprehensive Textbook of Psychiatry
<b>2.</b>	DSM-5 Diagnostic and Statistical Manual of Mental Disorders (American Psychiatric Association-2013)
<b>3.</b>	Essentials of Clinical Psychiatry

### PSYCHIATRY CLERKSHIP- RULES FOR STUDENTS

<b>1</b>	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
<b>3</b>	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
<b>4</b>	Students are obliged to keep the “ <b>Ataturk University Faculty of Medicine Trainee Report</b> ” which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
<b>5</b>	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
<b>6</b>	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical-Oral and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”.
<b>7</b>	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “ <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ”. The participation link to the survey will be sent to the students by the dean's management.

## 1. PSYCHIATRY CLERKSHIP- OBJECTIVE OF THE PROGRAM

### OBJECTIVE OF THE PSYCHIATRY CLERKSHIP PROGRAM

<b>9.</b>	To be able to make a preliminary diagnosis by evaluating the etiology, pathophysiological and clinical features, signs and symptoms of mental health and diseases
<b>10.</b>	To be able to perform emergency treatment by defining emergencies for mental health and diseases
<b>11.</b>	To be able to create and apply a treatment plan in necessary clinical situations within the scope of education level criteria
<b>12.</b>	To be able to provide referral when necessary after emergency intervention and treatment
<b>13.</b>	To have basic knowledge about psychopharmacological and psychotherapeutic methods used
<b>14.</b>	To gain the knowledge, skills and professionalism characteristics determined for the internship

## 2. PSYCHIATRY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	4	4	4	4	2	3	4	3	4	5	4	5	5	2	4	1	3	3	2	4
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levels	3	5	5	5	5	3	4	5	3	3	3	3								

**Contribution levels:** -no contribution 1very low 2 low 3 intermediate 4 high 5 veryhigh

## 3. LEARNING OBJECTIVES OF THE PSYCHIATRY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Psychiatry clerkship period

PSYCHIATRY CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS			
10.	Anxiety	10	Fury and hostility
11.	Cognitive disorders/forgetfulness	11	Learning disorder
12.	Sexual function disorders	12	Sleep and disorders
13.	Mood varieties		
14.	Assessment of reality		
15.	Hyperactivity		
16.	Suicide/homicide		
17.	Reasoning and disorders		
18.	Psychiatric seizure		

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the “Diseases / Clinical Problems” listed below during the Psychiatry clerkship period.

PSYCHIATRY CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS	
LEARNING LEVELS	CLINICAL PROBLEM
In the clinical problems mentioned in the column next to;  <b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b>	19. Situations about alcohol and substance use disorder 4. Bipolar disorder 18. Medication side effects 12. Schizophrenia and other psychotic diseases 21. Acute and posttraumatic stress disorder 22. Delirium
In the clinical problems mentioned in the column next to;  <b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert</b>	1. Alcohol and substance use disorder 2. Somatoform disorders (somatization/conversion) 3. Cognitive disorders (dementia) 4. Bipolar disorder 5. Sexual function disorder 6. Sexual identity disorder 7. Dissociative disorder 8. Personality disorder 9. Obsessive-compulsive disorder 10. Panic disorder 11. Schizophrenia and other psychotic disorders 12. Sleep disorders 13. Generalized anxiety disorder 14. Eating disorder 15. Intellectual disabilities 21. Acute and posttraumatic stress disorder 23. Disruptive disorder/impulse control disorder 24. Agoraphobia/specific phobias
In the clinical problems mentioned in the column next to;  <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b>	1. Depression 2. Medication side effects 3. Delirium
In the clinical problems mentioned in the column next to;  <b>Be able to Diagnose and Treat (DT)</b>	
In the clinical problems mentioned in the column next to;  <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	1. Alcohol and substance use disorder 2. Emergencies about alcohol and substance use disorder 3. Cognitive disorders, dementias 4. Bipolar disorder 5. Depression 6. Medication side effects 7. Delirium
In the clinical problems mentioned in the column next to;  <b>be able to follow up (F) in necessary cases</b>	1. Cognitive disorders, dementia 2. Alzheimer's disease 3. Bipolar disorder 4. Depression 5. Medication side effects



	6.Schizophrenia and other psychotic disorders 7.Delirium
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**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Psychiatry Clerkship period.

PSYCHIATRY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	BASIC MEDICINE APPLICATIONS
Skills specified in the adjacent column;  <b>Knows</b> how to practice and <b>explains</b> the results to patients and / or relatives  <b>(LEARNING LEVEL 1)</b>	1. Evaluation of disability
Skills specified in the adjacent column;  <b>In an emergency</b> , performs the application in accordance <b>with the guide / instruction</b> <b>(LEARNING LEVEL 2)</b>	2.Intervention to suicide 3.Determining legal capacity
Skills specified in the adjacent column;  performs pre-assessment / evaluation in <b>uncomplicated</b> , frequent, cases creates necessary plans and informs patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 3)</b>	4.Taking psychiatric anamnesis 5.Psychiatric examination 6.Mental evaluation 7.Minimental state examination 8.Using evidence based medical interventions during giving clinical decision 9.Stabilizing emergent situations 10.Disability report consultation 11.Preparing medical reports
Skills specified in the adjacent column;  Pre-evaluate the application including <b>complex</b> situations / cases, creates the necessary plans and informs the patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 4)</b>	12.Taking medical history 13.Examination of consciousness 14.Reasonable choice of laboratory and imaging technics 15.Patient transfer 16.Fullfilment of the patient file 17.Writing appropriate prescription 18.Fullfilment of laboratory forms 19.Taking patient consent 20.Treatment refusal 21.Reasonable medication use 22.Preparing patient epicrisis

**D.In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the Psychiatry Clerkship period

PSYCHIATRY CLERKSHIP–LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	1.Discrimination, bias, stigmatization
	a.Immigrants b.Sensitive and vulnerable groups (olds, disableds, convicts and detainees) c.Gender
	<b>2.Dependency</b> <b>a.Alcohol</b> <b>b.Nicotine</b> <b>c Substance</b> <b>d.Behavioral addictions (gambling, shopping, technology, internet)</b> <b>e.Familial and individual burden of dependency</b>
	4.Work and health relation  c.Effect of disease on worklife and rehabilitation for getting back to work



	<p>d. Work stress and psychosocial risks, mobbing, burnout syndrome</p> <p>e. Vulnerable and sensitive groups (children, immigrants, olds, child workers)</p>
	<p>5. Environment and health relation</p> <p>a. Healthy nutrition and food politics</p> <p>j. Social environment and social wellbeing</p> <p>6. Child neglect and abuse</p> <p>a. Neglect (emotional, physical, medical, educational)</p> <p>f.b. Abuse (physical, emotional, sexual)</p> <p>Child marriages</p> <p>7. Migration</p> <p>a. War, terror and migration, immigrants</p>
	<p>8. Difficulties on patient-clinician relation</p> <p>a. Treatment maladaptment on preventive and treatment interventions (vaccination denial)</p> <p>b. Wishfull and insistive patient</p> <p>c. Manipulative patient</p> <p>d. Treatment resistant patient</p> <p>e. Simulation (making patient role to have benefit)</p> <p>f. Mourning patient</p> <p>g. Somatization/somatic symptoms associated with psychosocial factors</p> <p>h. Frequent applicant patient</p> <p>i. Difficulties between cultural relationship</p>
	<p>9. Clinicians wellness</p> <p>f. Physical and mental health</p>
	<p>10. Legal and ethical issues</p> <p>e. Informed consent</p> <p>g. Medical records, prescript, ethical issues on writing medical reports</p> <p>i. Compulsory treatment</p>
	<p>11. Human rights and health</p> <p>d. Psychosocial burden caused by violations of rights in social life</p>
	<p>12. Unemployment and poverty</p> <p>c. Individual's psychosocial wellness</p> <p>d. Public and family health</p>
	<p>14. Chronic/non infectious diseases</p> <p>a. Prevention and follow-up of risk factors</p> <p>b. Management</p> <p>c. Multimorbidity</p> <p>d. Burden of caretaking and caregiving</p> <p>e. Situations about chronic diseases and inequalities of public distribution of diseases</p> <p>f. Psychosocial aspects of symptoms of chronic pain, dementia, sleep disorders and depression</p>
	<p>18. Death, neardeath patient and mourning</p> <p>a. Mourning, prolonged mourning process</p>
	<p>20. Psychological and social wellbeing</p> <p>a. Health during different stages of life</p> <p>b. Family health, family support</p> <p>c. Social/public funds, social support</p> <p>d. Culture and health beliefs/attitudes</p> <p>h. Flexibility/durability, embracing uncertainties and dilemmas</p> <p>i. Power and control: patients intervention about him/herself</p> <p>j. Stress and stress management</p>
	<p>23. Critics of health interventions</p> <p>c. Medicalization of daily life</p>

	e.Body-mind dilemma and reductionist approaches f.Commercializing healthy living habits g.Extreme medical practices h.Wrong practices on traditional and complementary medicine
	25. Healthiness issued a.Nutrition b.Physical, mental activity and exercises c.Sedentary life d.Participating in social life
	27.Stress a.Burden of daily life b.Major life events c.Office stress d.Stress management e.Physical and mental complaints related with stress
	29.Interaction between technology and health f.Technology addiction, technology misuse and abuse
	30.Medical errors and unprofessional attitudes a.Malpractice b.Unprofessional behaviors to the patient and relatives of the patient c.Misuse of the power on health and education e.Communication problems
	31.Professionalism on medicine b.Honesty, telling the truth to the patient and respect for the privacy of the patient c.Vocational values, vocational identity and historical perspective, being open to vocational and vocational progress
	34.Reproductive health/sexual health a.Healthy sexual life and consultancy

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Psychiatry clerkship

ATTITUDES THAT SHOULD BE GAINED FOR PROFESSIONALITY DURING THE PSYCHIATRY CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.  2. Rights-based health approach  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork  4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Problems and dilemmas for professionalism / ethics in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, inequality in health, social gender and health.  11. Health systems, health policies.  12. Health economics and management.  13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.

#### 4. PSYCHIATRY CLERKSHIP - WEEKLY COURSE PROGRAM

PSYCHIATRY CLERKSHIP - WEEKLY COURSE PROGRAM			
Days	Subject of The Lesson	Lesson Time	Teaching Staff
<b>I. Week</b>			
<b>Monday</b>	Information about Internship program and professional and ethical issues in clinical practice	08.00-08.30	Dr. Özcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
	Assistant Seminar	08.30-09.30	Dr. Özcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
	Signs and symptoms in psychiatry	9.30-12.00	Assoc.prof. Dr. Halil Özcan
	Psychiatry interview	13.30-15.00	Assoc.prof. Dr. Halil Özcan
	Schizophrenia	15.00-17.00	Assoc.prof. Dr. Halil Özcan
<b>Tuesday</b>	Major depressive disorder	08.00-10.30	Dr. Hacer Akgul Ceyhun
	Inpatient evaluation with whole clinical staff	10.30-12.00	Dr. Özcan, Okutucu, Ceyhun, Sarı, Aydın will take a rotating task
	Other depressive disorders	13.30-15.00	Dr. Hacer Akgul Ceyhun
	Main neurocognitive disorders	15.00-17.00	Dr. Hacer Akgul Ceyhun
<b>Wednesday</b>	Assistant Seminar	08.00-09.30	Dr. Özcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
	Bipolar disorder	09.30-12.00	Dr. Serap Sari
	Elective / Freelance Work	13.30-17.00	
<b>Thursday</b>	Student Seminar-A psychotic case presentation	08.00-09.30	Assoc.prof. Dr. Halil Özcan
	Other psychotic disorders	09.30-10.30	Assoc.prof. Dr. Halil Özcan
	Inpatient evaluation with whole clinical staff	10.30-12.00	Dr. Özcan, Okutucu, Ceyhun, Sarı, Aydın will take the task alternately.
	Forensic psychiatry	13.30-15.00	Assoc.prof. Dr. Halil Özcan
	Case-Based Learning (CBL) Session 1	15.00-17.00	Dr. Özcan, Okutucu, Ceyhun, Sarı, Aydın will take a rotating task
<b>Friday</b>	Independent Working Hour	08.00-09.30	
	Antidepressants	09.30-10.30	Dr. Hacer Akgul Ceyhun
	Clinical practice	10.30-12.00	Dr. Özcan, Okutucu, Ceyhun, Sarı, Aydın will take a rotating task
	Antipsychotics	13.30-15.00	Dr. Hacer Akgul Ceyhun
	Clinical practice	15.00-17.00	Dr. Özcan, Aydın, Ceyhun, Okutucu, Sarı will take a rotating task
<b>II. Week</b>			
<b>Monday</b>	Assistant Seminar	08.00-09.30	Dr. Özcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
	Dissociative disorders	10.00-12.00	Dr. Esat Fahri Aydın
	Somatoform disorders	13.30-15.30	Dr. Esat Fahri Aydın
	Clinical Practice	15.30-17.00	Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
<b>Tuesday</b>	Student seminar-A depression case presentation	08.00-09.30	Dr. Hacer Akgul Ceyhun
	Mood Stabilizers	09.30-10.30	Dr. Hacer Akgul Ceyhun
	Inpatient evaluation with whole clinical staff	10.30-12.00	Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task.
	Gender identity and sexual function disorders	13.30-15.00	Assoc.Prof. Dr. Halil Özcan
	Case-Based Learning (CBL) Session 2	15.00-17.00	Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
<b>Wednesday</b>	Assistant seminar	08.00-09.30	Dr. Özcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
	Anxiety disorders	09.30-12.00	Dr. Fatma Tuygar Okutucu
	Elective / Freelance Work	13.30-17.00	
<b>Thursday</b>	Trauma and stress related disorders	08.00-10.30	Dr. Fatma Tuygar Okutucu
	Inpatient evaluation with whole clinical staff	10.30-12.00	Dr. Esat Fahri Aydın
	Obsessive compulsive and related disorders	13.30-15.00	Dr. Fatma Tuygar Okutucu
	Emergency situations in psychiatry	15.00-17.00	Dr. Esat Fahri Aydın
	Assistant seminar	08.00-09.30	Dr. Özcan, Okutucu , Ceyhun, Sarı, Aydın will take a

<b>Friday</b>			rotating task
	Impulse Control Disorders	09.30-10.30	Dr. Serap Sarı
	Clinical practice	10.30-12.00	Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task.
	Substance related disorders and addiction disorders	13.30-17.00	Dr. Serap Sarı
<b>Monday</b>	<b>III. Week</b>		
	Assistant seminar	08.00-09.30	Dr. Ozcan, Okutucu, Ceyhun, Sarı, Aydın will take a rotating task
	Psychotherapies	10.00-12.00	Dr. Esat Fahri Aydın
	Personality and personality disorders	13.30-17.00	Dr. Esat Fahri Aydın
<b>Tuesday</b>	Free working hour	08.00-09.00	
	Eating disorders	09.00-10.30	Dr. Serap Sarı
	Inpatient evaluation with whole clinical staff	10.30-12.00	Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
	Sleep disorders	13.30-15.30	Dr. Serap Sarı
<b>Wednesday</b>	Student seminar- A case presentation with bipolar disorder	15.00-17.00	Dr. Serap Sarı
	Assistant seminar	08.00-09.30	Dr. Ozcan, Okutucu, Ceyhun, Sarı, Aydın will take a rotating task
	Other treatments which are used in psychiatric disorders	09.30-11.00	Dr. Fatma Tuygar Okutucu
	Student seminar- A case presentation with anxiety disorder	11.00-12.00	Dr. Fatma Tuygar Okutucu
<b>Thursday</b>	Elective / Freelance Work	13.30-17.00	
	Independent Working Hour	08.00-09.30	
	Inpatient evaluation with whole clinical staff	10.30-12.00	Dr. Ozcan, Okutucu, Ceyhun, Sarı, Aydın will take a rotating task
	Case-Based Learning (CBL) Session 3	13.30-15.00	Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
<b>Friday</b>	A brief review before examination	15.00-17.00	Dr. Ozcan, Okutucu, Ceyhun, Sarı, Aydın will take a rotating task
	Oral Examination	09.30-12.00	
	Written Exam	13.30-14.30	Psychiatry department classroom
	Internship post feedback meeting	15.00-17.00	Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task

## 5. MATCHING PSYCHIATRY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

MATCHING PSYCHIATRY COURSES WITH LEARNING OBJECTIVES								
Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptoms / Conditions	Clinical problem	Basic Medical Practices	Behavioral, Social and Humanities
01	Psychiatric signs and symptoms	Dr. H.Ozcan	2		1,2,3,4,5,6,7,8,9,10,11,12	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	1,2,4,5,6,7,8,9,10,11,12,14,18,20,23,25,27,29,30, 31,34
02	Psychiatric examination	Dr. H.Ozcan	2		1,2,3,4,5,6,7,8,9,10,11,12	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	1,2,4,5,6,7,8,9,10,11,12,14,18,20,23,25,27,29,30, 31,34
03	Schizophrenia	Dr. H.Ozcan	2		2,5,7,8,10,12	12	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	1,2,4,5,6,7,8,9,10,11,12,14,18,20,23,25,27,29,30, 31
04	Other psychotic disorders	Dr. H.Ozcan	1		2,5,7,8,10,12	12	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16	1,2,4,5,6,7,8,9,10,11,12,14,18,20,23,25,27,29,30, 31

							17,18,19,20,21,22	
05	Forensic Psychiatry	Dr. H.Ozcan	2		2,4,5,7,8,10,11,	1,2,3,4,6,7,8,12,13,16,18,23	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	2,4,6,7,8,9,10,11,12,14,20,30,31
06	Issues about gender identity, sexual function disorders	Dr. H.Ozcan	2		3	5,6,18	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	34
07	Major Depressive Disorder	Dr. Hacer Akgul Ceyhun	2		1,2,4,5,7,12	3,4,5,8,13,17,18	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	1,2,4,5,6,7,8,9,10,11,12,14,18,20,23,25,27,30,31
08	Other Depressive Disorders	Dr. Hacer Akgul Ceyhun	2		1,2,4,5,7,12	3,4,5,8,13,17,18	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	1,2,4,5,6,7,8,9,10,11,12,14,18,20,23,25,27,30,31
09	Bipolar Disorder	Dr. Serap Sari	3		1,2,3,4,5,6,7,8,9,10,12	4,18	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	1,2,4,5,6,7,8,9,10,11,12,14,18,20,23,25,27,30,31
10	Anxiety Disorders	Dr. Fatma Tuygar Okutucu	3		1,3,4,6,10,12	9,10,11,14,23	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,24	5,8,23,25,27
11	Obsessive Compulsive and Related Disorders	Dr. Fatma Tuygar Okutucu	2		1,3,4,10,12	9,10,11,14	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	5,8,20,23,25,27,29,30,31
12	Somatoform Disorders	Dr. Esat Fahri Aydin	2		1,3,4,9,10,12	2,21	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	5,7,12,14,20,23,25,27,30,31
13	Dissociative Disorders	Dr. Esat Fahri Aydin	1		1,3,4,9,10,12	7,21	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	27
14	Sleep Disorders	Dr. Serap Sari	1		1,4,12	13	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	2715
15	Basic Cognitive Disorders	Dr. Hacer Akgul Ceyhun	2		2,8,10,11,12	3,20,22	1,2,3,4,5,6,7,8,10,141,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	8,11,12,14,20,2516
16	Eating Disorders	Dr. Serap Sari	1		1,4,5	15	3,4,5,7,12,13,14,15,16,17,18,19,20,21,22	25
17	Substance Related Disorders and Substance Dependency	Dr. Serap Sari	3		1,2,3,4,5,6,7,8,9,10,11,12	1,18,19,22	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	2,8,10,11,20,29
18	Personality and Personality Disorders	Dr. Esat Fahri Aydin	3		1,2,4,7,9,10	8	2,3,4,5,6,8,9,10,11,12,16,17,18,19,20,21,22	1,5,8,20
19	Impulse Control Disorders	Dr. Serap Sari	1		1,6,10	1,9,15,21,23	2,3,4,5,6,,8,9,10,11,12,16,	29

							17,18,19,20,21,22	
20	Psychiatric Emergencies	Dr. Fatma Tuygar Okutucu	2		1,2,3,4,5,6,7,8,9,10,12	4,12,18,19,22,23,24	2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	2,8,9,10,11,18,20
21	Entrance to Psychopharmacology	Dr. Hacer Akgul Ceyhun	1		1,2,3,4,5,6,7,8,9,10,12	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	1,3,4,5,6,8,9,12,14,16,17,18,19,20,21,22	5,7,8,12,14,20,23,25,27, 30,31
22	Antidepressants	Dr. Hacer Akgul Ceyhun	2		1,2,3,4,6,7,9,10,11,12	9,1,2,3,4,5,7,8,9,10,11,13,14,15,17,18,24	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,21	5,7,8,12,14,20,23,25,27, 30,31
23	Mood Stabilizers	Dr. Hacer Akgul Ceyhun	1		1,4,6,8,10,12	4,18	1,3,4,5,6,7,8,9,10,11,12,16,17,18,19,20,21,22	5,7,8,12,14,20,23,25,27, 30,31
24	Antipsychotics	Dr. Hacer Akgul Ceyhun	2		1,2,3,4,5,6,7,8,9,10,11,12	12,18	4,5,6,8,9,12,13,14,15,17,18,19,20,21,22	5,7,8,12,14,20,23,25,27, 30,31
25	Other Medications used in Psychiatric Disorders	Dr. Fatma Tuygar Okutucu	3		1,2,3,4,5,6,7,8,9,10,11,12	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,24	4,5,6,8,9,12,13,14,15,17,18,19,20,21,22	5,7,8,12,14,20,23,25,27, 30,31
26	Trauma and Stress Related Disorders	Dr. Fatma Tuygar Okutucu	2		1,2,4,5,7,9,10,12	1,2,5,6,7,11,13,14,16,17,19,21	4,5,6,8,9,12,13,14,15,17,18,19,20,21,22	1,2,4,5,6,7,8,11,12,14,18,20,23,25,27,30,31
27	Psychotherapies	Dr. Esat Fahri Aydin	2		1,2,3,4,5,7,8,9,10,11	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,21,23	4,5,6,8,9,12,15,19,20,22	1,2,4,5,6,7,8,11,12,14,18,20,23,25,27,30,31,34

## 6. LEARNING METHODS OF PSYCHIATRY CLERKSHIP PROGRAM

LEARNING METHODS OF PSYCHIATRY CLERKSHIP PROGRAM	
<b>Learning Methods Related with Knowledge:</b>	
<ul style="list-style-type: none"> <li>• Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences</li> <li>• On-the-job learning and assessment</li> <li>• Structured case discussion</li> </ul>	
<b>Learning Methods Related with Medical practices:</b>	
<ul style="list-style-type: none"> <li>• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures</li> <li>• Interdisciplinary learning activities (meetings, panels, group discussions)</li> <li>• Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)</li> <li>• Independent learning</li> <li>• Learning based on projects and researches</li> </ul>	
<b>Learning Methods Related with Professionalism</b>	
<ul style="list-style-type: none"> <li>• Interdisciplinary education activities (meetings, panels, group debates)</li> <li>• Critical situation discussions</li> <li>• Reflection sessions</li> <li>• Written visual texts readings and interpretations</li> <li>• Student development file (portfolio) application</li> <li>• On-the-job learning and assessment (MiniPET)</li> </ul>	

## 7. “STUDENT TRAINEE REPORT” FOR PSYCHIATRY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V PSYCHIATRY CLERKSHIP STUDENT TRAINEE REPORT			
Name:.....Surname:.....			
Student Number: Date:...../...../.....			
I-Basic Medicine Practices	Learning Level**	Number of Applications	Teaching Staff Approval (Date)
<b>A. Taking Anamnesis</b>			
Taking anamnesis according to the patients symptoms	4	1	
<b>B. Physical Examination (General and Problem-Oriented)</b>			
Mental Examination	3	1	
<b>C. Registration, Reporting and Notification</b>			
Writing appropriate prescriptions in case of emergency and mild disease	4	1*	
Writing Prescription	4	1*	
Preparing patient file and presentation of the patient	4	1	
<b>D. Laboratory Tests and Other Related Processes</b>			
Evaluating ability of laboratory findings	4	3	
Choosing the needed brain imaging and electrophysiological techniques	4	3*	
Choosing the appropriate psychological and neuropsychological tests and basically evaluation	3	3	
<b>E. Interventional and Non-Interventional Applications</b>			
Interventions to emergent psychiatric situations	3	1*	
Rational medication use	3	1	
Intervention to suicide	2	1	
Minimental State Examination	3	1	
Diagnosing and planning treatment according to anamnesis and examination	3	1	
<b>I-Total Basic Medicine Practice score (out of 5 point)</b>			
<b>Impression about the student-Features on Professionalism (will be marked by academics)</b>			
<b>Compliance with internship program</b>			
<b>Compliance with group work</b>			
<b>II- Impression about the student-Professional Features appropriate for Physician (Evaluated by the Department trainers)</b>			
<b>Total Professionalism score (out of 5 point)</b>			
<b>III-Clinical Problem Solving (out of 5)</b> (Marked given from the performance shown in Case Based Learning sessions)			
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)</b>			
<b>Teaching Staff Head of Department</b> <b>Date and Sign Date and Sign</b>			

\*Performing or monitoring on the patient or in the simulation lab with Teaching Staff

\*\*Learning Level\*\*

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

## 8.ASSESSMENT AND EVALUATION METHODS IN PSYCHIATRY CLERKSHIP

ASSESSMENT AND EVALUATION METHODS IN PSYCHIATRY CLERKSHIP
ACTICAL-ORAL EXAMINATION
<ul style="list-style-type: none"><li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (15%)<ul style="list-style-type: none"><li>➤ <b>Basic Medicine Practices</b> (5%).</li><li>➤ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).</li><li>➤ <b>Clinical Problem Solving</b> (Given from the performance shown in <b>Case Based Learning sessions</b>) (out of 5)</li></ul></li><li>• <b>Practical Exam:</b> It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%)</li></ul> <p>Sınavınızda hasta başı sınav yapıyorsanız Anabilim Dalının takdirine göre 15 puan verilebilir bilgi veriniz.Bu bölümle ilgili uygulamanız yoksa sözlü puanı 85 e çıkarılmalı Lütfen bu bölümü silmeyi unutmayınız)</p> <ul style="list-style-type: none"><li>• <b>Oral Examination:</b> Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information).Total contribution to the Practical-Oral Examination(70 %)</li><li>• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.</li><li>• Students who fail the practical-oral examination, take the make-up exam.</li><li>• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam.</li></ul>
THEORETICAL EXAM
<ul style="list-style-type: none"><li>• It consists of a total of 50 multiple choice questions and case-based multiple choice questions (evaluating clinical information and clinical right decision giving performance).</li><li>• Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.</li><li>• Students who fail the theoretical examination, take the make-up exam.</li></ul>
SUCCESS GRADE
<ul style="list-style-type: none"><li>• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.</li></ul>
MAKE-UP EXAM
<ul style="list-style-type: none"><li>• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.</li></ul>



## SESSION V NEUROLOGY CLERKSHIP GUIDE

<b>Code</b>	STJ-509
<b>Period</b>	3 weeks

<b>Type</b>	Compulsory
<b>ECTS</b>	5

### NEUROLOGY CLERKSHIP - Prerequisite Courses

<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committee (s) in session 3

### REFERENCES (RESOURCE BOOK - OTHERS)

<b>1.</b>	Up To Date
<b>2.</b>	<i>Adams and Victor's Principles of Neurology</i> ISBN: 9780071842617

### SESSION V NEUROLOGY CLERKSHIP- RULES FOR STUDENTS

<b>1</b>	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
<b>3</b>	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
<b>4</b>	Students are obliged to keep the <b>"Ataturk University Faculty of Medicine Trainee Report"</b> which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
<b>5</b>	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
<b>6</b>	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
<b>7</b>	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at " <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ". The participation link to the survey will be sent to the students by the dean's management.

### 1. SESSION V NEUROLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

#### OBJECTIVE OF THE NEUROLOGY CLERKSHIP PROGRAM

<b>15.</b>	To be able to make a preliminary diagnosis by evaluating the central and peripheral nerve anatomy, physiological features, signs and symptoms of related diseases.
<b>16.</b>	Defining emergencies for neurology and making emergency treatment.
<b>17.</b>	To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria.
<b>18.</b>	To be able to provide referral when necessary after emergency intervention and treatment.
<b>19.</b>	Comprehend the importance of establishing a good patient-physician and physician-physician communication and develop their skills.
<b>20.</b>	It can provide the knowledge, skills and professionalism features set for the internship.

## 2. SESSION V NEUROLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	5	4	4	3	3	4	3	4	2	4	3	2	2	1	1	2	3	2	2	3
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levels	3	3	3	3	3	2	2	2	3	3	2	1								

**Contribution levels:** -:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high

## 3. LEARNING OBJECTIVES OF THE SESSION V NEUROLOGY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Neurology clerkship period

SESSION V NEUROLOGY CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS					
1.	Headache	10	Speech disorders (aphasia, dysphasia, dysarthria, stuttering, etc.)	18	Syncope
2.	Vertigo	11	Chronic pain	19	Recurrent falls
3.	Consciousness changes	12	Having a seizure	20	Tremor
4.	Cognitive disorders / forgetfulness	13	Neuropathic pain	21	Urinary incontinence
5.	Double vision	14	Paresthesia		
6.	Problems with balance / movement	15	Paresis, paralysis		
7.	Visual impairment / loss	16	Ptosis		
8.	Movement disorders	17	Pupil changes		
9.	Muscle weakness				

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the "Diseases / Clinical Problems" listed below during the Neurology clerkship period.

SESSION V NEUROLOGY CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS	
LEARNING LEVELS	CLINICAL PROBLEM
In the clinical problems mentioned in the column next to;  <b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b>	4) Epilepsy (6) Facial paralysis (7) Transient ischemic attack (10) Stroke (11) Intracranial hemorrhages (12) Intracranial pressure increase syndrome (KIBAS; acute cerebrovascular events) (14) Koma (15) Migraine (17) Myasthenia gravis and cholinergic crisis
In the clinical problems mentioned in the column	

next to;  <b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert</b>	(1) Alzheimer's disease (2) Ataxic disorders (3) Cognitive (cognitive) disorders (Dementia) (4) Epilepsy (5) Essential tremor (9) Guillain - Barré syndrome (13) Muscular diseases (myopathies) (16) Multiple sclerosis (18) Optical neuritis (19) Parkinson's disease (20) Peripheral neuropathy (21) Polymyositis and dermatomyositis (22) Poliomyelitis
In the clinical problems mentioned in the column next to;  <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b>	(6) Facial paralysis (15) Migraine
In the clinical problems mentioned in the column next to;  <b>Be able to Diagnose and Treat (DT)</b>	(8) Tension-type headache
In the clinical problems mentioned in the column next to;  <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	(1) Alzheimer's disease (3) Cognitive (cognitive) disorders (Dementia) (4) Epilepsy (10) Stroke (15) Migraine (22) Poliomyelitis
In the clinical problems mentioned in the column next to;  <b>be able to follow up (F) in necessary cases</b>	(1) Alzheimer's disease (3) Cognitive (cognitive) disorders (Dementia) (4) Epilepsy (10) Stroke (15) Migraine

**C. In terms of skill:** It is expected to gain the ability to practice at the level determined in "Basic Medicine Practices" listed below during the Neurology clerkship period.

SESSION V NEUROLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	BASIC MEDICINE APPLICATIONS
Skills specified in the adjacent column;  <b>Knows</b> how to practice and <b>explains</b> the results to patients and / or relatives  <b>(LEARNING LEVEL 1)</b>	(14) Ability to perform lumbar puncture

Skills specified in the adjacent column;  <b>In an emergency</b> , performs the application in accordance <b>with the guide / instruction</b> <b>(LEARNING LEVEL 2)</b>	---
Skills specified in the adjacent column;  performs pre-assessment / evaluation in <b>uncomplicated</b> , frequent, cases creates necessary plans and informs patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 3)</b>	(2) To evaluate the mental situation  (5) Neurological examination  (11) To be able to interpret the results of screening and diagnostic purposes  (15) Minimental status examination
Skills specified in the adjacent column;  Pre-evaluate the application including <b>complex</b> situations / cases, creates the necessary plans and informs the patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 4)</b>	(1) To be able to take general and problematic stories  (3) Consciousness assessment  (4) Evaluation of general condition and vital signs (6) Illumination and consent  (7) To prepare patient file  (8) Editing a recipe  (9) To fill the request form for laboratory examination  (10) To be able to take the laboratory sample under appropriate conditions and to deliver it to the laboratory.  (12) Evaluation of Glasgow / AVPU coma scale  (13) To be able to refer patients appropriately

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the “**Behavioral, Social and Humanities**” listed below during the Neurology clerkship period

SESSION V NEUROLOGY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	Work and health interaction
	(1) The effect of the disease on work and return to work after the disease (rehabilitation)
	Chronic / Noncommunicable Diseases
	(2) Monitoring and prevention of risk factors (3) Management

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Internal Medicine clerkship

ATTITUDES THAT SHOULD BE GAINED FOR <i>PROFESSIONALITY</i> DURING THE INTERNAL MEDICINE CLERKSHIP	
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.	
2. Rights-based health approach	
3. Communication skills, communication in difficult situations, interpersonal relations and teamwork	
4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.	
5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.	
6. Patient rights, physician responsibility, patient-physician relationship.	
7. Problems and dilemmas for professionalism / ethics in health processes.	
8. Legal problems in health processes.	
9. Research and publication ethics.	
10. Determinants of health, inequality in health, social gender and health.	
11. Health systems, health policies.	
12. Health economics and management.	
13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.	
14. Work culture in coordination with other members of the team and disciplines	
15. Being able to share their knowledge and professional experience with other members of the team,	

#### 4. SESSION V NEUROLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

SESSION V NEUROLOGY CLERKSHIP- WEEKLY COURSE PROGRAM			
Days	Subject of The Lesson	Lesson Time	Teaching Staff
Monday	I. Week		
	Patient Visiting	08:00-10:00	
	Information about Internship and Ethical and Professional Values in Clinical Practice	10:00-11:00	Asst. Prof. Fatma ŞİMŞEK
	Neurological Examination-1	11:10-12:00	Asst. Prof. Fatma ŞİMŞEK
	Neurological Examination-2	13:30-15:30	Asst. Prof. Fatma ŞİMŞEK
	Independent Working Hour	16:00-17:00	
Tuesday	Seminar presentation	08:00-10:00	
	Cerebrovascular Diseases -1	10:00-12:00	Asst. Prof. Alper EREN
	Cerebrovascular Diseases -2	13:30-15:30	Asst. Prof. Alper EREN
	Case-Based Learning (CBL) Session 1	16:00-17:00	Asst. Prof. Alper EREN

			Asst. Prof. Mehmet Nuri KOÇAK Assoc. Prof. Mustafa CEYLAN
<b>Wednesday</b>	Patente Visiting	08:00-10:00	Asst. Prof. Alper EREN
	Cerebrovascular Diseases -3	10:00-12:00	Asst. Prof. Alper EREN
	Elective / Freelance Work	13:30-17:00	
<b>Thursday</b>	Case Presentation	08:00-10:00	
	Cranial Nerves	10:00-12:00	Asst. Prof. Mehmet Nuri KOÇAK
	Speech Disorders	13:30-15:30	Asst. Prof. Alper EREN
	Case-Based Learning (CBL) Session 2	16:00-17:00	Asst. Prof. Alper EREN Asst. Prof. Recep Yevgi Assoc. Prof. Mustafa CEYLAN
<b>Friday</b>	Patient Visiting	08:00-10:00	
	Epilepsy -1	10:00-12:00	Asst. Prof. Fatma ŞİMŞEK
	Epilepsy -2	13:30-15:30	Asst. Prof. Fatma ŞİMŞEK
	Case-Based Learning (CBL) Session 3	16:00-17:00	Asst. Prof. Üyesi Alper EREN Asst. Prof. Üyesi Recep Yevgi Assoc. Prof. Mustafa CEYLAN
<b>Monday</b>	<b>II. Week</b>		
	Patient Visit	08:00-10:00	
	Movement Disorders -1	10:00-12:00	Assoc. Prof. Mustafa CEYLAN
	Movement Disorders -2	13:30-15:30	Assoc. Prof. Mustafa CEYLAN
	Case-Based Learning (CBL) Session 1	16:00-17:00	Asst. Prof. Fatma ŞİMŞEK Asst. Prof. Nuray BİLGE Asst. Prof Mehmet Nuri KOÇAK
<b>Tuesday</b>	Seminar Presentation	08:00-10:00	
	Consciousness Disorders	10:00-12:00	Asst. Prof. Mehmet Nuri KOÇAK
	Brain Death and Ethical Approach	13:30-15:30	Asst. Prof. Mehmet Nuri KOÇAK
	Case-Based Learning (CBL) Session 2	16:00-17:00	Asst. Prof. Fatma ŞİMŞEK Asst. Prof. Nuray BİLGE Asst. Prof Mehmet Nuri KOÇAK
<b>Wednesday</b>	Patient Visit	08:00-10:00	
	Demyelinating Diseases and Multiple Sclerosis-1	10:00-12:00	Asst. Prof. Nuray BİLGE
	Elective / Freelance Work	13:30-17:00	
<b>Thursday</b>	Case Presentation	08:00-10:00	
	Headaches-1	10:00-12:00	Asst. Prof. Mehmet Nuri KOÇAK
	Demyelinating Diseases and Multiple Sclerosis-2	13:30-15:30	Asst. Prof. Nuray BİLGE
	Case-Based Learning (CBL) Session 3	16:00-17:00	Asst. Prof. Fatma ŞİMŞEK Asst. Prof. Nuray BİLGE Asst. Prof Mehmet Nuri KOÇAK
<b>Friday</b>	Patient Visit	08:00-10:00	
	Muscle Diseases	10:00-12:00	Asst. Prof. Recep YEVGİ
	Neuromuscular Junction Disorders	13:30-15:30	Asst. Prof. Recep YEVGİ
	Independent Working Hour	16:00-17:00	Assosiate Prof. Mustafa CEYLAN
<b>Monday</b>	<b>III. Week</b>		
	Patient Visit	08:00-10:00	
	Cognitive Disorders	10:00-12:00	Assoc. Prof. Mustafa CEYLAN
	Behavioral Disorders-Delirium	13:30-15:30	Assoc. Prof. Mustafa CEYLAN
	Independent Working Hour	16:00-17:00	-
<b>Tuesday</b>	Seminar Presentation	08:00-10:00	
	Medulla Spinalis Diseases -1	10:00-12:00	Asst. Prof. Nuray BİLGE
	Medulla Spinalis Diseases -2	13:30-15:30	Asst. Prof. Nuray BİLGE

	Free working	16:00-17:00	-
<b>Wednesday</b>	Patient Visit	08:00-10:00	
	Polyneuropathies -1	10:00-12:00	Asst. Prof. Recep YEVGİ
	Elective / Freelance Work	13:30-17:00	-
<b>Thursday</b>	Practice Examination	08:00-17:00	Practical Exam with Patient
<b>Friday</b>	Oral examination	08:00-12:00	
	Theoretical examination	13:00-17:00	Oral and Theoretical examination

## 5. MATCHING NEUROLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

### MATCHING SESSION V NEUROLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptoms / Conditions	Clinical problem	Basic Medical Practices	Behavioral, Social and Humanities
NEU001	Neurological Examination	Asst. Prof. Fatma ŞİMŞEK	6	3	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	1,2,3,4,5,6,7,8,9,12,15	---
NöRO002	Cerebrovascular Diseases	Asst. Prof. Alper EREN	6	3	1,2,3,4,5,6,7,,9,10,12,14,15,16,17,18,21	7,10,11,12,14	1,2,3,4,5,6,7,8,9,10,11,12,13,14	1,2,3
NöRO003	Consciousness Disorders	Asst. Prof. Mehmet Nuri KOÇAK	2	1	1,2,3,4,10,12,17,18	10,11,12,14	1,3,4,5,6,7,9,10,11,12,13,14	1
NöRO004	Cranial Nerves	Asst. Prof. Mehmet Nuri KOÇAK	2	2	1,2,3,4, 5,7,10,11, 13, 16,17	6,9,10,11,12,12,14,16,18	1,3,4,5,7,9,10,11,13	---
NöRO005	Movement Disorders	Asst. Prof. Mustafa CEYLAN	6	2	6,8,19,20	2,5,19,	1,3,3,4,5,6,7,,9,10,11,13	1,2,3
NöRO006	Epilepsy	Asst. Prof. Fatma ŞİMŞEK	4	3	3,12,18	3,21	1,3,4,5,7,9,10,11,13	2,3
NöRO007	Speech Disorders	Asst. Prof. Alper EREN	4	3	3,4,10,	2,7,10,11,14,15,16	1,3,4,5,9,10,11,13	1
Nöro-008	Brain Death and Ethical Approach	Asst. Prof. Mehmet Nuri KOÇAK	2	1	3,17	10,11,12,14,	1,4,5,7,9,10,11,12,13	---
Nöro-009	Headaches	Asst. Prof. Mehmet Nuri KOÇAK	4	2	2,3,5,6,10,13,16,17,	8,10,11,12,15,	1,3,4,5,7,8,9,10,11,13	3
Nöro-010	Muscle Diseases	Asst. Prof. Recep YEVGİ	4	2	9,16,	13,17	1,4,5,7,9,10,11,13	1,2,3
Nöro-011	Neuromuscular Junction Disorders	Asst. Prof. Recep YEVGİ	4	2	5,9,16	17	1,4,5,7,9,10,11,13	1,2,3
Nöro-012	Demyelinating Diseases	Asst. Prof. Nuray BİLGE	6	3	2,5,6,7,9,10,11,12,13,14,15,17,19	16,18	1,2,4,5,6,7,8,9,10,11,13,14	1,2

					,20,21			
Nöro-013	Cognitive Disorders	Asst. Prof. Mustafa CEYLAN	2	2	3,4,10	1,3	1,4,5,6,7,9,10 11,12,13,15	1,2
Nöro-014	Behavioral Disorders-Delirium	Asst. Prof. Mustafa CEYLAN	2	2	3,4,10	1,3	1,2,3,4,5,7,9, 10 11,13,15	1,2
Nöro-015	Medulla Spinalis Diseases	Asst. Prof. Nuray BILGE	4	3	6,13,14,15,19	16	1,4,5,9,10 11,13	1
Nöro-016	Polyneuropathies	Asst. Prof. Recep YEVI	2	2	6,9,11,13,14,15,19	9,20	1,4,5,7,9,10 11,13	1

## 6. LEARNING METHODS OF SESSION V NEUROLOGY CLERKSHIP PROGRAM

LEARNING METHODS OF NEUROLOGY CLERKSHIP PROGRAM	
<b>Learning Methods Related with Knowledge:</b>	
<ul style="list-style-type: none"> <li>Structured learning activities in clinical skill laboratories and simulated patient centers</li> <li>Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences</li> <li>On-the-job learning and assessment</li> <li>Structured case discussion</li> </ul>	
<b>Learning Methods Related with Medical practices:</b>	
<ul style="list-style-type: none"> <li>Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures</li> <li>Interdisciplinary learning activities (meetings, panels, group discussions)</li> <li>Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)</li> <li>Case-based evaluation</li> <li>Independent learning</li> </ul>	
<b>Learning Methods Related with Professionalism</b>	
<ul style="list-style-type: none"> <li>Critical situation discussions</li> <li>Reflection sessions</li> <li>Written visual texts readings and interpretations</li> <li>Student development file (portfolio) application</li> <li>On-the-job learning and assessment (MiniPET)</li> </ul>	

## 7. “STUDENT TRAINEE REPORT” FOR SESSION V NEUROLOGY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.



ATATÜRK UNIVERSITY FACULTY OF MEDICINE- SESSION V NEUROLOGY CLERKSHIP STUDENT TRAINEE REPORT			
Name:.....Surname:.....			
Student Number:		Date:...../...../.....	
I- Basic Medicine Practices	Learning Level**	Number of Applications	Teaching Staff Approve (Date)
<b>A. Taking Anamnesis</b>			
To be able to take general and problematic stories	4	2*	
To evaluate the mental situation	4	2*	
<b>B. Physical Examination (General and Problem-Oriented)</b>			
Evaluation of general condition and vital signs	4	3*	
Neurological examination	3	3*	
Consciousness Evaluation	4	2*	
<b>C. Registration, Reporting and Notification</b>			
Preparing a patient file	4	2*	
Ability to edit a recipe	4	2*	
Lighting and consent	4	2*	
<b>D. Laboratory Tests and Other Related Processes</b>			
Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions	4	2*	
Filling the request form for laboratory examination	4	2*	
To be able to interpret the results of screening and diagnostic purposes	3	2*	
<b>E. Interventional and Non-Interventional Applications</b>			
Lumbar puncture	1	2	
Evaluation of Glasgow / AVPU coma scale	4	3*	
Minimental status examination	3	2*	
Ability to refer the patient appropriately	4	1*	
<b>I-Total Basic Medicine Practice score (out of 5 point)</b>			
<b>II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)</b>			
<b>Total Professionalism score (out of 5 point)</b>			
<b>III- Clinical Problem Solving (out of 5)</b> (Given from the performance shown in <b>Case Based Learning sessions</b> )			
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)</b>			
Teaching Staff Date and Sign		Head of Department Date and Sign	

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

\*\*Learning Level\*\*

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

## 8. ASSESSMENT AND EVALUATION METHODS IN SESSION V NEUROLOGY CLERKSHIP

ASSESSMENT AND EVALUATION METHODS IN SESSION V NEUROLOGY CLERKSHIP
PRACTICAL-ORAL EXAMINATION
<ul style="list-style-type: none"> <li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (15%) <ul style="list-style-type: none"> <li>➤ <b>Basic Medicine Practices</b> (5 %).</li> <li>➤ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (%).5</li> <li>➤ <b>Clinical Problem Solving</b> (Given from the performance shown in <b>Case Based Learning sessions</b>) (% 5)</li> </ul> </li> <li>• <b>Practical Exam:</b> It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%)</li> <li>• <b>Oral Examination:</b> Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %)</li> <li>• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.</li> <li>• Students who fail the practical-oral examination, take the make-up exam.</li> <li>• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam.</li> </ul>
THEORETICAL EXAM
<ul style="list-style-type: none"> <li>• It consists of a total of 50 (written and / or multiple choice) questions.</li> <li>• Written and / or multiple choice questions evaluating clinical information and written and / or multiple choice questions depending on the case evaluating clinical decision making</li> <li>• Not scoring less than 60 points out of 100 in the theoretical (written and / or multiple choice) exam, is considered unsuccessful.</li> <li>• The evaluation that fails the theoretical (written and / or multiple choice) exam takes the make-up exam of the internship.</li> </ul>
SUCCESS GRADE
<ul style="list-style-type: none"> <li>• Internship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical (written and / or multiple choice) exam.</li> </ul>
MAKE-UP EXAM
<p>If the student who does not take the practical-verbal or theoretical (multiple choice) exam or fails, does not take the make-up exams or fails the make-up exam, he / she is considered unsuccessful from that internship and repeats that internship.</p>

## SESSION V NEUROSURGERY CLERKSHIP GUIDE

<b>Code</b>	STJ-501
<b>Period</b>	2 weeks

<b>Type</b>	Compulsory
<b>ECTS</b>	4

### NEUROSURGERY CLERKSHIP-Prerequisite Courses

<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committee (s) in session 3

### REFERENCES (RESOURCE BOOK-OTHERS)

<b>1.</b>	Temel Nöroşirurji /Türk Nöroşirurji Derneği Yayınları
<b>2.</b>	Temel Nöroşirurji /Kemal Benli
<b>3.</b>	Nöroşirurji El Kitabı/Mark S. Greenberg
<b>4.</b>	Resimli Nöroloji ve Nöroşirurji/Mustafa Bozbuğa
<b>5.</b>	Youmans Neurological Surgery/Richard Winn

### NEUROSURGERY CLERKSHIP-RULES FOR STUDENTS

<b>1</b>	Clerkship training starts at 08.00 a.m and ends at 5 p.m.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
<b>3</b>	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms/ conditions, core diseases/clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to obey during the clerkship.
<b>4</b>	Students are obliged to keep the “ <b>Ataturk University School of Medicine Trainee Report</b> ” which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship.
<b>5</b>	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
<b>6</b>	<b>In order to be successful at the end of the clerkship;</b> students are required to take at least 60 point from each Practical and Theoretical exams, in Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University School of Medicine Teaching and Exam Application Principles”.
<b>7</b>	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; digitally feedbacks will be made on the web address at “ <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ”. The participation link to the survey will be sent to the students by the dean's management.

### 1. NEUROSURGERY CLERKSHIP- OBJECTIVE OF THE PROGRAM

#### OBJECTIVE OF THE NEUROSURGERY CLERKSHIP PROGRAM

<b>1.</b>	To be able to make a preliminary diagnosis by evaluating the central and peripheral nervous system and spine anatomy, physiological features, signs and symptoms of the diseases affecting them.
<b>2.</b>	To be able to perform emergency treatment by defining the emergencies for the nervous system and spine

3.	To be able to design and perform a treatment plan in necessary clinical situations within the scope of education level criteria
4.	To be able to provide referral when necessary after emergency intervention and treatment
5.	To demonstrate protective and rehabilitative approaches in cases of brain and spinal cord diseases causing disability
6.	To gain the knowledge, skills and professionalism characteristics determined for the internship.

## 2. NEUROSURGERY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University School of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	5	4	4	3	3	4	3	4	2	4	3	2	2	1	1	2	3	2	2	3
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levels	3	3	3	3	3	2	2	2	3	3	2	1								

**Contribution levels:** -no contribution 1very low 2 low 3 intermediate 4 high 5 very high

## 3. LEARNING OBJECTIVES OF THE NEUROSURGERY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms/Signs/ Status during the Neurosurgery clerkship period

1.	Headache	9.	Speech disorders (aphasia, dysphasia, dysarthria, etc.)
2.	Vertigo	10.	Seizures
3.	Back and lomber pain	11.	Neuropathic pain
4.	Cervical pain	12.	Parestesia
5.	Consciousness changes	13.	Paresis, Paralysis
6.	Nausea and vomiting	14.	Pitosis
7.	Visual impairment/loss	15.	Pupil changes
8.	Hearing impairment and tinnitus	16.	Balance and movement disorders

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the "Diseases / Clinical Problems" listed below during the Neurosurgery clerkship period.

NEUROSURGERY CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS	
LEARNING LEVELS	CLINICAL PROBLEM
In the clinical problems mentioned in the column next to;  <b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b>	1. Epilepsy 2. Intracranial hemorrhages 3. Increased intracranial pressure ( Acute cerebrovascular diseases) 4. Coma 5. Head Trauma 6. Spinal Trauma
In the clinical problems mentioned in the column next to;  <b>Putting a Preliminary Diagnosis (Pre-D) to</b>	7. Ataxia disorders 8. Hidrocephalus 9. Intracranial mass 10. Peripheral neuropathy

<b>be able to perform the necessary pre-operations and direct it to the expert</b>	11. Spinal cord compressions
In the clinical problems mentioned in the column next to;  <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b>	12. Disc Herniations 13. Congenital malformations 14. Epilepsy 15. Neural Tube Defects
In the clinical problems mentioned in the column next to;  <b>Be able to Diagnose and Treat (DT)</b>	
In the clinical problems mentioned in the column next to;  <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	16. Disc Herniations 17. Congenital Malformations 18. Epilepsy 19. Neural Tube Defects
In the clinical problems mentioned in the column next to;  <b>be able to follow up (F) in necessary cases</b>	20. Epilepsy

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Neurosurgery clerkship period.

<b>NEUROSURGERY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS</b>	
<b>LEARNING LEVELS</b>	<b>BASIC MEDICINE APPLICATIONS</b>
Skills specified in the adjacent column; <b>Knows</b> how to practice and <b>explains</b> the results to patients and/or relatives <b>(learning level 1).</b>	-----
Skills specified in the adjacent column; <b>in an emergency situation</b> , performs the application in accordance <b>with the guide/ instruction</b> <b>(learning level 2).</b>	-----

<p>Skills specified in the adjacent column;  performs pre-assessment/evaluation in <b>uncomplicated</b>, frequent, cases creates necessary plans and informs patients and their relatives <b>and does the application (learning level 3).</b></p>	<ol style="list-style-type: none"> <li>1. Neurologic examination</li> <li>2. Preparing a forensic report</li> <li>3. To be able to prepare health reports in accordance with current legislation</li> <li>4. To be able to evaluate direct radiographs</li> <li>5. To be able to interpret the results of screening and diagnostic purposes</li> <li>6. Airway application</li> <li>7. Evaluation of multiple trauma patients</li> <li>8. Ability to open vascular access</li> <li>9. To take measures to stop/limit external bleeding</li> <li>10. Ability to take biological sample from the patient</li> <li>11. Ability to put urinary catheter</li> <li>12. Ability to provide advanced life support</li> <li>13. Being able to take samples for culture</li> <li>14. Enema applying</li> <li>15. To be able to put nasogastric catheter</li> <li>16. Ability to care for wound /burns</li> <li>17. Being able to apply the principles of evidence-based medicine in the clinical decision making process.</li> </ol>
<p>Skills specified in the adjacent column; Pre-evaluate the application including <b>complex</b> situations/cases, creates the necessary plans and informs the patients and their relatives <b>and does the application (learning level 4).</b></p>	<ol style="list-style-type: none"> <li>18. Taking medical history</li> <li>19. Evaluation of consciousness</li> <li>20. Evaluation of the general condition and vital signs</li> <li>21. Illumination and obtaining consent</li> <li>22. Being able to prepare epicrisis</li> <li>23. To be able to prepare patient file</li> <li>24. To be able to issue a recipe</li> <li>25. To be able to prepare refusal of treatment</li> <li>26. To be able to provide decontamination, disinfection, sterilization, antisepsis</li> <li>27. Filling out the request form for laboratory examination</li> <li>28. Hand washing</li> <li>29. To be able to evaluate Glasgow/AVPU coma scale</li> <li>30. To ensure that the patient is properly transported</li> <li>31. To be able to give the patient a coma position</li> <li>32. To be able to refer the patient appropriately</li> <li>33. IM, IV, SC, ID injection</li> <li>34. To be able to measure blood pressure</li> <li>35. To be able to apply cervical collar (neck collar)</li> <li>36. Ability to provide basic life support</li> <li>37. Ability to shoot and take superficial sutures</li> </ol>

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the “**Behavioral, Social and Humanities**” listed below during the Neurosurgery clerkship period

NEUROSURGERY CLERKSHIP–LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
1.	<b>13. Accidents</b> b. Traffic accidents
2.	<b>18. Death, dying individual and mourning</b> c. Telling the bad situation or death of a person
3.	<b>30. Malpractice and unprofessional behavior</b> a. Malpractice

**E. In terms of professionalism:** Attitudes listed below are expected to be gained during the period of Neurosurgery clerkship

ATTITUDES THAT SHOULD BE GAINED FOR <i>PROFESSIONALITY</i> DURING THE NEUROSURGERY CLERKSHIP
<ol style="list-style-type: none"> <li>1. Totalitarian approach to health (bio-psycho-social and cultural approach), patient-centered approach, community oriented medicine.</li> <li>2. Rights-based health approach.</li> <li>3. Communication skills, communication in difficult situations, interpersonal relations and teamwork.</li> <li>4. History of medicine and thought/values, physician identity and awareness, roles and limits of medicine.</li> <li>5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.</li> <li>6. Patient rights, physician responsibility, patient-physician relationship.</li> <li>7. Problems and dilemmas for professionalism/ethics in health processes.</li> <li>8. Legal problems in health processes.</li> <li>9. Research and publication ethics.</li> <li>10. Determinants of health, inequality in health, social gender and health.</li> <li>11. Health systems, health policies.</li> <li>12. Health economics and management.</li> <li>13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.</li> <li>14. Work culture in coordination with other members of the team and disciplines.</li> <li>15. Being able to share their knowledge and professional experience with other members of the team.</li> </ol>

#### 4. NEUROSURGERY CLERKSHIP - WEEKLY COURSE PROGRAM

SESSION V NEUROSURGERYCLERKSHIP-WEEKLY COURSE PROGRAM			
Days	Subject of The Lesson	Lesson Time	Teaching Staff
<b>I. Week</b>			
<b>Monday</b>	Information about Internship and Ethical and Professional Values in Clinical Practice	08.10-09.00	Responsible Trainer of Clerkship
	Neurologic Examination	09.10-10.00	Responsible Trainer of Clerkship
	Increased Intracranial Pressure, Brain Edema, Herniation Syndromes	10.10-11.00	Proff. Hakan Hadi KADIOĞLU
	Independent Working Hour	11.10-12.00	
	Clinics (Group1) Outpatient Clinic (Group 2) Operating Room (Group3)	13.30-17.00	Responsible Trainer of Clerkship
<b>Tuesday</b>	Clinic Visit	08.10-09.00	Responsible Trainer of Clerkship
	Subarachnoid hemorrhagea and Brain Aneurysms	09.10-10.00	Proff. Gökşin ŞENGÜL
	Free Working Time	10.10-12.00	
	Clinics (Group1) Outpatient Clinic (Group 2) Operating Room (Group3)	13.30-17.00	Responsible Trainer of Clerkship
<b>Wednesday</b>	Clinic Visit	08.10-09.00	Teaching Staff in charge
	Spine and Spinal Cord Injuries	09.10-10.00	Assoc. Prof. Çağatay ÇALIKOĞLU
	Free Working Time	10.10-11.00	
	Case-Based Learning (CBL) Session 1	11.10-12.00	Responsible Trainer of Clerkship
	Elective / Freelance Work	13.30-17.00	
<b>Thursday</b>	Clinic Visit	08.10-09.00	Responsible Trainer of Clerkship
	Intervertebral Disc Herniations	09.10-10.00	Assoc. Prof. Mürteza ÇAKIR
	Independent Working Hour	10.10-12.00	
	Clinics (Group1) Outpatient Clinic (Group 2) Operating Room (Group3)	13.30-17.00	Responsible Trainer of Clerkship
<b>Friday</b>	Seminar	08.10-09.00	
	Hydrocephalus	09.10-10.00	Asst. Prof. Nuh Çağrı KARAAVCI
	Independent Working Hour	10.10-12.00	
	Clinics (Group1) Outpatient Clinic (Group 2) Operating Room (Group3)	13.30-17.00	Responsible Trainer of Clerkship
<b>II. Week</b>			
<b>Monday</b>	Clinic Visit	08.10-09.00	Responsible Trainer of Clerkship
	Brain Tumors	09.10-10.00	Asst. Prof. Mehmet Hakan ŞAHİN
	Free Working Time	10.10-11.00	
	Case-Based Learning (CBL) Session 2	11.10-12.00	Responsible Trainer of Clerkship
	Clinics (Group1) Outpatient Clinic (Group 2) Operating Room (Group3)	13.30-17.00	Responsible Trainer of Clerkship
<b>Tuesday</b>	Clinic Visit	08.10-09.00	Responsible Trainer of Clerkship
	Head Traumas	09.10-10.00	Asst. Prof. Mehmet Kürşat KARADAĞ
	Independent Working Hour	10.10-12.00	
	Clinics (Group1) Outpatient Clinic (Group 2) Operating Room (Group3)	13.30-17.00	Responsible Trainer of Clerkship
<b>Wednesday</b>	Clinic Visit	08.10-09.00	Responsible Trainer of Clerkship
	Congenital Spinal Malformations	09.10-10.00	Asst. Prof. Mete ZEYNAL
	Free Working Time	10.10-11.00	
	Case-Based Learning (CBL) Session 3	11.10-12.00	Responsible Trainer of Clerkship
	Elective / Freelance Work	13.30-17.00	
<b>Thursday</b>	Clinic Visit	08.10-09.00	Responsible Trainer of Clerkship
	Peripheral Nerve Injuries	09.10-10.00	Proff. Mehmet Dumlu AYDIN
	Independent Working Hour	10.10-12.00	
	Clinics (Group1) Outpatient Clinic (Group 2) Operating Room (Group3)	13.30-17.00	Responsible Trainer of Clerkship
<b>Friday</b>	Seminar	08.10-09.00	
	Practical Exam	09.10-12.00	
	Theoretical Exam	13.30-14.30	
	Post-internship feedback meeting	14.40-17.00	



## 5. MATCHING NEUROSURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

MATCHING NEUROSURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptom/ Conditions	Clinical problem	Basic Medical Practices	Behavioral, Social and Humanities
NRS001	Increased intracranial pressure, Brain Edema, Herniation Syndromes	Dr. HH. Kadioğlu	1		1, 2, 4, 6, 8, 10, 11, 14, 15, 16	1, 2, 3, 4, 5, 7, 8, 9, 14, 18, 20	1, 3, 4, 5, 6, 8, 11, 12, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 31, 32, 33, 34, 37	2, 3
NRS002	Subarachnoid Hemorrhage and Brain Aneurysms	Dr. G. Şengül	1		1, 2, 4, 6, 8, 10, 11, 14, 15, 16	1, 2, 3, 5, 7, 14, 18, 20	1, 3, 5, 6, 8, 11, 12, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 37	2, 3
NRS003	Spine and Spinal Cord Injuries	Dr. Ç. Çalıkoğlu	1		3, 5, 12, 13, 14	6, 7, 10, 11	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 33, 34, 35, 37	1, 2, 3
NRS004	Disc Herniations	Dr. M. Çakır	1		3, 5, 7, 12, 13, 14	10, 11, 12, 16	1, 2, 4, 11, 16, 17, 18, 20, 21, 22, 23, 24, 25, 27, 28, 33, 37	3
NRS005	Hydrocephalus	Dr. NÇ. Karaavcı	1		1, 2, 4, 6, 7, 8, 10, 11, 16	1, 3, 5, 8, 13, 14, 18, 20	1, 3, 5, 6, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31, 32, 33, 34, 36	2, 3
NRS006	Brain Tumors	Dr. MH. Şahin	1		1, 2, 4, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16	1, 3, 5, 9, 14, 18, 20	1, 3, 4, 5, 6, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30,	2, 3

							31, 32, 33, 35, 36, 37	
NRS007	Head Traumas	Dr. MK. Karadağ	1		1, 2, 4, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16	1, 2, 3, 4, 5, 7, 9, 14, 18, 20	1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37	1, 2, 3
NRS008	Congenital Spinal Malformations	Dr. M. Zeynal	1		7, 12, 13, 14	11, 13, 15, 17, 19	1, 3, 4, 5, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 33, 34, 35, 36	2, 3
NRS009	Peripheral Nerve Injuries	Dr. MD. Aydın	1		12, 13, 14	10	1, 2, 3, 4, 5, 7, 8, 9, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 28, 33, 34, 37	3

## 6. LEARNING METHODS OF NEUROSURGERY CLERKSHIP PROGRAM

### LEARNING METHODS OF NEUROSURGERY CLERKSHIP PROGRAM

#### Learning Methods Related with Knowledge:

- Structured learning activities in clinical skill laboratories and simulated patient centers
- Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences
- On-the-job learning and assessment
- Structured case discussion

#### Learning Methods Related with Medical practices:

- Classroom lecture/presentation: Lecture, tutorial presentation, interactive classroom lectures
- Interdisciplinary learning activities (meetings, panels, group discussions)
- Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)
- CBL (Case-based learning)
- Independent learning

#### Learning Methods Related with Professionalism

- Critical situation discussions
- Written visual texts readings and interpretations
- Student development file (portfolio) application
- On-the-job learning and assessment (MiniPET)

## 7. “STUDENT TRAINEE REPORT” FOR NEUROSURGERY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term V Trainee student are evaluated with the “Atatürk University School of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY SCHOOL OF MEDICINE-SESSION V NEUROSURGERY CLERKSHIP STUDENT TRAINEE REPORT			
Name:.....Surname:.....			
Student Number:		Date:...../...../.....	
I-Basic Medicine Practices	Learning Level**	Number of Applications	Teaching Staff Approve (Date)
<b>A. Taking Anamnesis</b>			
To be able to take medical history	4	5*	
<b>B. Physical Examination (General and Problem-Oriented)</b>			
Neurological Examination	3	5*	
Evaluation of Consciousness and Approach to Coma Patient	4	5*	
<b>C. Registration, Reporting and Notification</b>			
Writing prescriptions	4	5*	
Preparing a patient file	4	3*	
<b>D. Laboratory Tests and Other Related Processes</b>			
Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions	4	5*	
Filling the request form for laboratory examination	4	5*	
To be able to interpret the results of screening and diagnostic purposes	3	5*	
<b>E. Interventional and Non-Interventional Applications</b>			
Wound-burn care	3	1*	
LP	1	1*	
<b>I-Total Basic Medicine Practice score (out of 5 point)</b>			
<b>II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)</b>			
<b>Total Professionalism score (out of 5 point)</b>			
<b>III-Clinical Problem Solving (out of 5)</b> (Given from the performance shown in <b>Case Based Learning sessions</b> )			
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)</b>			
<b>Teaching Staff Date and Sign</b>		<b>Head of Department Date and Sign</b>	

\*Performing or monitoring on the patient or in the simulation lab with Teaching Staff

\*\*Learning Level\*\*

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and/or relatives.
2	In an emergency, performs the application in accordance with the guide instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.

\*Conducts preliminary assessment/evaluation, creates the necessary plans, implements and informs patients and relatives/society about the process and its results.

## 8.ASSESSMENT AND EVALUATION METHODS IN NEUROSURGERY CLERKSHIP

ASSESSMENT AND EVALUATION METHODS IN NEUROSURGERY CLERKSHIP
PRACTICAL-ORAL EXAMINATION
<ul style="list-style-type: none"> <li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (15%) <ul style="list-style-type: none"> <li>➤ <b>Basic Medicine Practices</b> (5 %).</li> <li>➤ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).</li> <li>➤ <b>Clinical Problem Solving</b> (Given from the performance shown in <b>Case Based Learning sessions</b>) (out of 5)</li> </ul> </li> <li>• <b>Practical Exam:</b> It is performed by the direct observation and evaluation of practical/ interventional skills. Total contribution to the Practical-Oral Examination (15%)</li> <li>• <b>Oral Examination:</b> Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %)</li> <li>• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.</li> <li>• Students who fail the practical-oral examination, take the make-up exam.</li> <li>• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam.</li> </ul>
THEORETICAL EXAM
<ul style="list-style-type: none"> <li>• It consists of a total of 20 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision)</li> <li>• Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.</li> <li>• Students who fail the theoretical examination, take the make-up exam.</li> </ul>
SUCCESS GRADE
<ul style="list-style-type: none"> <li>• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.</li> </ul>
MAKE-UP EXAM
<ul style="list-style-type: none"> <li>• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he/she is considered unsuccessful from that clerkship and repeats that clerkship.</li> </ul>

## SESSION V OPHTHALMOLOGY GUIDE

<b>Code</b>	TPT-509	<b>Type</b>	Compulsory
<b>Period</b>	2 weeks	<b>ECTS</b>	

### OPHTHALMOLOGY CLERKSHIP- Prerequisite Courses

<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committee (s) in session 3

### REFERENCES (RESOURCE BOOK - OTHERS)

<b>1.</b>	Lecture notes prepared by teaching staffs
<b>2.</b>	
<b>3.</b>	

### OPHTHALMOLOGY CLERKSHIP- RULES FOR STUDENTS

<b>1</b>	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
<b>3</b>	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
<b>4</b>	Students are obliged to keep the “ <b>Ataturk University Faculty of Medicine Trainee Report</b> ” which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship.
<b>5</b>	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
<b>6</b>	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”.
<b>7</b>	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “ <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ”. The participation link to the survey will be sent to the students by the dean's management.

### 1. OPHTHALMOLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

#### OBJECTIVE OF THE OPHTHALMOLOGY CLERKSHIP PROGRAM

<b>1.</b>	To be able to diagnose by evaluating the anatomical and physiological features of the eye, the signs and symptoms of the diseases affecting them
<b>2.</b>	To be able to perform emergency treatment by defining emergency situations for the eye
<b>3.</b>	To be able to create and apply a treatment plan in necessary clinical situations within the scope of education level criteria
<b>4.</b>	To be able to provide referral when necessary after emergency intervention and treatment
<b>5.</b>	To be able to exhibit preventive and rehabilitative approaches in situations that can cause visual impairment
<b>6.</b>	To gain the knowledge, skills and professionalism characteristics determined for the internship

## 2. OPHTHALMOLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	4	4	5	4	4	4	5	5	3	4	5	4	3	3	3	3	4	4	4	3
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levels	4	5	3	4				4	4	4										

**Contribution levels:** -no contribution 1 very low 2 low 3 intermediate 4 high 5 very high

## 3. LEARNING OBJECTIVES OF THE OPHTHALMOLOGY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Ophthalmology period

OPHTHALMOLOGY CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS					
1.	Headache				
2.	Nausea-vomiting				
3.	Diplopia				
4.	Defect of vision				
5.	Dry eye				
6.	Red eye				
7.	Corrosive exposure				
8.	Ptosis				
9.	Pupil changes				

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the "Diseases / Clinical Problems" listed below during the Ophthalmology clerkship period.

OPHTHALMOLOGY CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS	
LEARNING LEVELS	CLINICAL PROBLEM
In the clinical problems mentioned in the column next to;  <b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b>	1. Allergic reaction 2. Skin injuries 3. Eye trauma(home- work-traffic,fall)
In the clinical problems mentioned in the column next to;  <b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert</b>	4. Allergic reaction 5. Skin tumors 6. Skin and soft tissue infections, abscesses 7. Facial paralysis 8. Glaucoma 9. Cataract 10. Refractive disorders 11. Optic neuritis 12. Tear duct obstruction 13. Strabismus 14. Uveitis 15. Keratitis
In the clinical problems mentioned in the column next to;	16. Conjunctivitis 17. Cataract

<b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b>	18. Allergic reaction
In the clinical problems mentioned in the column next to;  <b>Be able to Diagnose and Treat (DT)</b>	19. Conjunctivitis 20. Conjunctivitis in newborns
In the clinical problems mentioned in the column next to;  <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	21. Accidents (home-work-traffic, electric shock,fall, asphyxia) 22. Conjunctivitis 23. Conjunctivitis in newborns
In the clinical problems mentioned in the column next to;  <b>be able to follow up (F) in necessary cases</b>	-----

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Ophthalmology clerkship period.

<b>OPHTHALMOLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS</b>	
<b>LEARNING LEVELS</b>	<b>BASIC MEDICINE APPLICATIONS</b>
Skills specified in the adjacent column;  <b>Knows</b> how to practice and <b>explains</b> the results to patients and / or relatives  <b>(LEARNING LEVEL 1)</b>	<ol style="list-style-type: none"> <li>1. General and problematic, taking a story</li> <li>2. Eye examination</li> <li>3. Fundus examination</li> <li>4. To be able to provide health education to the community</li> <li>5. To be able to fight infectious diseases in the society</li> <li>6. Reading and evaluating direct radiographs</li> <li>7. Using microscope</li> </ol>
Skills specified in the adjacent column;  <b>In an emergency</b> , performs the application in accordance <b>with the guide / instruction</b> <b>(LEARNING LEVEL 2)</b>	<ol style="list-style-type: none"> <li>1. General and problematic, taking a story</li> <li>2. Foreign body removal from the eye</li> <li>3. To be able to evaluate mental state</li> <li>4. Obtaining consent</li> <li>5. To be able to distinguish/manage forensic cases</li> <li>6. Organizing forensic case notification</li> <li>7. To be able to consult about disability report</li> <li>8. To be able to prepare a health report according to the current legislation</li> <li>9. To be able to refer patient appropriately</li> <li>10. Reporting legally notifiable diseases and conditions</li> <li>11. Preparing epicrises</li> <li>12. Preparing patient file</li> <li>13. To be able to edit prescription</li> <li>14. Prepare treatment refusal document</li> <li>15. To apply the principles of working with biological material</li> </ol>

	16. To be able to provide decontamination, disinfection, sterilization, antisepsis 17. Filling the request form for laboratory examination 18. To be able to take the laboratory sample under appropriate conditions and to deliver it to the laboratory. 19. Hand washing 20. To be able to prepare the drugs to be applied correctly 21. Being able to care for wound - burn 22. Superficial stitching and remove 23. To be able to take measures related to the protection of health workers' health 24. Taking measures to prevent infections in public areas 25. To be able to identify risk groups in the society
Skills specified in the adjacent column;  performs pre-assessment / evaluation in <b>uncomplicated</b> , frequent, cases creates necessary plans and informs patients and their relatives <b>and does the application (LEARNING LEVEL 3)</b>	-----
Skills specified in the adjacent column;  Pre-evaluate the application including <b>complex</b> situations / cases, creates the necessary plans and informs the patients and their relatives <b>and does the application (LEARNING LEVEL 4)</b>	-----

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the “**Behavioral, Social and Humanities**” listed below during the Ophthalmology clerkship period

OPHTHALMOLOGY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	<b>13.Accidents</b> <b>a.Home</b> <b>b.Traffic</b> <b>c.Work</b>

**F. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Ophthalmology clerkship



ATTITUDES THAT SHOULD BE GAINED FOR <i>PROFESSIONALITY</i> DURING THE OPHTHALMOLOGY CLERKSHIP	
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.	
2. Rights-based health approach	
3. Communication skills, communication in difficult situations, interpersonal relations and teamwork	
4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.	
5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.	
6. Patient rights, physician responsibility, patient-physician relationship.	
7. Problems and dilemmas for professionalism / ethics in health processes.	
8. Legal problems in health processes.	
9. Research and publication ethics.	
10. Determinants of health, inequality in health, social gender and health.	
11. Health systems, health policies.	
12. Health economics and management.	
13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.	
14. Work culture in coordination with other members of the team and disciplines	
15. Being able to share their knowledge and professional experience with other members of the team,	

#### 4. OPTHALMOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

SESSION V OPTHALMOLOGY CLERKSHIP- WEEKLY COURSE PROGRAM			
Days	Subject of The Lesson	Lesson Time	Teaching Staff
I. Week			
Monday	Information about Internship and Ethical and Professional Values in Clinical Practice	08:00 - 08.45	Teaching staff in charge
	Service Visit	09.00 - 09.45	Proff. O. BAYKAL
	Anatomy	10.00 - 10:45	Asst. Prof. E.ÇİNCİ
	Anatomy	11.00 - 11.45	Asst. Prof. E.ÇİNCİ
	Clinical Practice in Patients	14.00 - 14.45	Asst. Prof. E. ÇİNCİ
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	15.00 - 17.00	Teaching staffs will work in order
	Service Visit	08.00 - 09.45	Asst. Prof. M.YILDIRIM
Tuesday	Strabismus	10.00 - 10.45	Proff. İ. A. SALMAN
	Paralytic Strabismus and Diplopia	11.00 - 11.45	Proff. İ. A. SALMAN
	Examination Methods in Ophthalmology	13.00 - 13.45	Asst. Prof. M.YILDIRIM
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	14.00 - 17.00	Teaching staffs will work in order
	Service Visit	08.00 - 09.45	Proff. O. ATEŞ
Wednesday	Service Visit	08.00 - 09.45	Proff. O. ATEŞ

	Conjunctivitis, Episcleritis and Scleritis	10.00 - 10.45	Proff. O. ATEŞ
	Corneal Diseases	11.00 - 11.45	Proff. O. ATEŞ
	Elective / Freelance Work	13.00 - 17.00	
<b>Thursday</b>	Service Visit	08.00 - 09.45	Proff. İ. KOÇER
	Open Angle Glaucoma and Treatment	10.00 - 10.45	Proff. İ. KOÇER
	Acute Glaucoma Crisis and Treatment	11.00 - 11.45	Proff. İ. KOÇER
	Case-Based Learning (CBL) Session 1	13.00 - 13.45	Teaching staff in charge
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	14:00 - 17:00	Teaching staffs will work in order
<b>Friday</b>	Service Visit	08.00 - 09.45	Proff. İ. A. SALMAN
	Retinal Artery and Vein Diseases	10.00 - 10.45	Proff. O. BAYKAL
	Optic Neuritis	11.00 - 11.45	Proff. O. BAYKAL
	Retinal detachment	13.00 - 13.45	Proff. O. ATEŞ
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	14.00 - 17.00	Teaching staffs will work in order
<b>Monday</b>	<b>II. Week</b>		
	Service Visit	08.00 - 09.45	Asst. Prof. E. ÇİNICİ
	Uveitis	10.00 - 10.45	Proff. İ. KOÇER
	Pediatric Cataracts and Treatment	11.00 - 11.45	Proff. İ. KOÇER
	Adult Cataracts and Treatment	13.00 - 13.45	Proff. İ. KOÇER
	Case-Based Learning (CBL) Session 2	13.00 - 13.45	Teaching staff in charge
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	14:00 - 17:00	Teaching staffs will work in order
<b>Tuesday</b>	Service Visit	08.00 - 09.45	Assoc. Prof. S.KELEŞ
	Refraction Error	10.00 - 10.45	Proff. İ. A. SALMAN
	Refraction Error	11.00 - 11.45	Proff. İ. A. SALMAN
	Diabetic retinopathy	13.00 - 13.45	Proff. O. BAYKAL
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	14.00 - 17.00	Teaching staffs will work in order
<b>Wednesday</b>	Service Visit	08.00 - 09.45	Proff. O. ATEŞ
	Preseptal - Orbital Cellulite	10.00 - 10.45	Assoc. Prof. S. KELEŞ
	Hypertensive retinopathy	11.00 - 11.45	Proff. O. ATEŞ
	Elective / Freelance Work	13.00 - 17.00	
<b>Thursday</b>	Service Visit	08.00 - 09.45	Proff. İ. KOÇER
	Mechanical and Chemical Eye Trauma	10.00 - 10.45	Assoc. Prof. S.KELEŞ
	Lacrimal System Diseases	11.00 - 11.45	Assoc. Prof. S.KELEŞ
	Case-Based Learning (CBL) Session 3	13.00 - 13.45	Teaching staff in charge
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	14:00 - 17:00	Teaching staffs will work in order
<b>Friday</b>	Exam	09.00	Eye Diseases Meeting Room
	Post-Internship Feedback Meeting		

## 5. MATCHING OPHTHALMOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

MATCHING OPHTHALMOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES							
Lesson Code	SUBJECT OF THE LESSON	TEACHING MEMBER	Teoric hour	Pratic Hour	Symptoms/ situations	Clinic problem	Basic medical practices
EYE001	Informing about internship and Ethical and Professional Values in Clinical Practices	Teaching staff in charge	1				1, 3,5,9,14,16
EYE002	Anatomy	Dr. Öğr. Üyesi E.ÇİNICİ	1				
EYE003	Semiology in eye diseases	Dr. Öğr. Üyesi M.YILDIRIM	1				22,26
EYE004	Bedside applications in the clinic	Dr. Öğr. Üyesi E.ÇİNICİ		1	6,7,8	2,3,30,27	2,4,7,8,9,11,15,16

EYE005	Refraction defects and treatments	Prof.Dr.I.A.SALMAN	2		2	10	
EYE006	Examination methods in eye diseases	Dr. Öğr. Üyesi M.YILDIRIM		1			2,4,7,8,9,11,15,16
EYE007	Conjonktivitis	Prof.Dr.O.ATEŞ	1		3	13,29	
EYE008	Corneal diseases	Prof.Dr.O.ATEŞ	1		2		
EYE009	Skleritis, episkleritis	Dr. Öğr. Üyesi E.ÇINICI	1		3		
EYE010	Open-angle glaucoma and its treatment	Prof.Dr.I.KOÇER	1		2,3	8	
EYE011	Acute glaucoma crisis and its treatment	Prof.Dr.I.KOÇER	1		2,3,4	8	
EYE012	Optic neuritis	Prof.Dr.O.BAYKAL	1		2,4	11	
EYE013	Retinal artery diseases	Prof.Dr.O.BAYKAL	1		2,4		
EYE014	Retinal vein occulsions	Prof.Dr.O.BAYKAL	1		2,4		
EYE015	Uveitis	Prof.Dr.I.KOÇER	1		2,3,4		
EYE016	Pediatric cataract and its treatments	Prof.Dr.I.KOÇER	1		2,4	9	
EYE017	Adult cataract and its treatments	Prof.Dr.I.KOÇER	1		2,4	9	
EYE018	Strabismus	Prof.Dr.I.A.SALMAN	1		1, 2,5		
EYE019	Paralitic strabismus and diplopia	Prof.Dr.I.A.SALMAN	1		1, 2,5		
EYE020	Diabetic retinopathy	Prof.Dr.O.BAYKAL	1		2,4		
EYE021	Pupilla and its diseases	Dr. Öğr. Üyesi E.ÇINICI	2		2,4		
EYE022	Eye findings in metabolic diseases	Dr. Öğr. Üyesi E.ÇINICI	1		2		
EYE023	Preseptal selülitis	Doç.Dr. S.KELEŞ	1		3	6,7	
EYE024	Lacrimonal system diseases	Doç.Dr.S.KELEŞ	1		3		
EYE025	Retinal detachment and its treatment	Prof.Dr.O.ATEŞ	1		2,4		
EYE026	Hypertensive retinopathy	Prof.Dr.O.ATEŞ	1		2,4		
EYE027	Differential diagnosis in the red eye	Prof.Dr.I.KOÇER	2		3	1,29	
EYE028	Eyelid diseases	Doç.Dr.S.KELEŞ	1		2		
EYE029	Orbital selülitis	Doç.Dr.S.KELEŞ	1		1,2,3	6,7	
EYE030	Mechanical and chemical eye trauma	Doç.Dr.S.KELEŞ	1		2,3,4,6,7,8	2,3,16,27	12
EYE031	Drug applications in ophthalmology	Prof.Dr.O.ATEŞ	2				26
EYE032	Service Visit			14			
EYE033	Polyclinic / Operating Room	Anabilim Dalı Öğretim Üyeleri		20			
EYE034	Notification of the aims and objectives of the internship meeting	Staj komisyonu başkanı	1				
EYE035	Post-internship feedback meeting	Staj komisyonu başkanı	1				

## 6. LEARNING METHODS OF OPHTHALMOLOGY CLERKSHIP PROGRAM

LEARNING METHODS OF OPHTHALMOLOGY CLERKSHIP PROGRAM
<b>Learning Methods Related with Knowledge:</b>
<ul style="list-style-type: none"><li>• Structured learning activities in clinical skill laboratories and simulated patient centers</li><li>• Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences</li><li>• On-the-job learning and assessment</li><li>• Structured case discussion</li></ul>
<b>Learning Methods Related with Medical practices:</b>
<ul style="list-style-type: none"><li>• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures</li><li>• Interdisciplinary learning activities (meetings, panels, group discussions)</li><li>• Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)</li><li>• CBL (Case-based learning)</li><li>• Independent learning</li></ul>
<b>Learning Methods Related with Professionalism</b>
<ul style="list-style-type: none"><li>• Critical situation discussions</li><li>• Reflection sessions</li><li>• Written visual texts readings and interpretations</li><li>• Student development file (portfolio) application</li><li>• On-the-job learning and assessment (MiniPET)</li></ul>

## 7. “STUDENT TRAINEE REPORT” FOR OPHTHALMOLOGY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term V Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V OPHTHALMOLOGY CLERKSHIP STUDENT TRAINEE REPORT			
Name:.....Surname:.....			
Student Number:		Date:...../...../.....	
I- Basic Medicine Practices	Learning Level**	Number of Applications	Teaching Staff Approve (Date)
<b>A. Taking Anamnesis</b>			
.....	4	3*	
<b>B. Physical Examination (General and Problem-Oriented)</b>			
	3	3*	
	3	3*	
<b>C. Registration, Reporting and Notification</b>			
	4	3*	
	4	3	
<b>D. Laboratory Tests and Other Related Processes</b>			
	4	3	
	4	3	
	3	3*	
<b>E. Interventional and Non-Interventional Applications</b>			
	3	1*	
	3	1	
	4	2	
	3	1	
<b>I-Total Basic Medicine Practice score (out of 5 point)</b>			
<b>II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)</b>			
<b>Total Professionalism score (out of 5 point)</b>			
<b>III- Clinical Problem Solving (out of 5)</b> (Given from the performance shown in <b>Case Based Learning sessions</b> )			
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)</b>			
<b>Teaching Staff Date and Sign</b>		<b>Head of Department Date and Sign</b>	

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

\*\*Learning Level\*\*

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.

\*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.

## 8. ASSESSMENT AND EVALUATION METHODS IN OPHTHALMOLOGY CLERKSHIP

ASSESSMENT AND EVALUATION METHODS IN OPHTHALMOLOGY CLERKSHIP
<b>PRACTICAL-ORAL EXAMINATION</b>
<ul style="list-style-type: none"> <li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (15%) <ul style="list-style-type: none"> <li>➤ <b>Basic Medicine Practices</b> (5 %).</li> <li>➤ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).</li> <li>➤ <b>Clinical Problem Solving</b> (Given from the performance shown in <b>Case Based Learning sessions</b>) (out of 5)</li> </ul> </li> <li>• <b>Oral Examination:</b> Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85 %)</li> <li>• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.</li> <li>• Students who fail the practical-oral examination, take the make-up exam.</li> <li>• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam.</li> </ul>
<b>THEORETICAL EXAM</b>
<ul style="list-style-type: none"> <li>• It consists of a total of 40 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision)</li> <li>• Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.</li> <li>• Students who fail the theoretical examination, take the make-up exam.</li> </ul>
<b>SUCCESS GRADE</b>
<ul style="list-style-type: none"> <li>• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.</li> </ul>
<b>MAKE-UP EXAM</b>
<ul style="list-style-type: none"> <li>• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.</li> </ul>

## SESSION V CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP GUIDE

<b>Code</b>	STJ551
<b>Period</b>	2 weeks

<b>Type</b>	Elective
<b>ECTS</b>	3

### CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- Prerequisite Courses

<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committee (s) in session 3

### REFERENCES (RESOURCE BOOK - OTHERS)

<b>1.</b>	Lewis's Child and Adolescent Psychiatry
<b>2.</b>	Up To Date

### CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- RULES FOR STUDENTS

<b>1</b>	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
<b>3</b>	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
<b>4</b>	Students are obliged to keep the “ <b>Ataturk University Faculty of Medicine Trainee Report</b> ” which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
<b>5</b>	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
<b>6</b>	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”.
<b>7</b>	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “ <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ”. The participation link to the survey will be sent to the students by the dean's management.

### 1. CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- OBJECTIVE OF THE PROGRAM

#### OBJECTIVE OF THE CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP PROGRAM

<b>7.</b>	To be able to get a preliminary diagnosis/diagnosis by evaluating the normal development process of child and adolescent mental health (CAMH) and its characteristics in pathological conditions and the signs and symptoms of the diseases that reveal this pathology.
<b>8.</b>	Define Emergency and Forensic situations for CAMH and make emergency treatment and Forensic management
<b>9.</b>	To be able to build and carry out a treatment plan in necessary clinical situations within the scope of education level criteria.
<b>10.</b>	To be able to provide refer a patient when necessary after emergency response and treatment.
<b>11.</b>	To be able to exhibit preventive and rehabilitative approaches in cases where success can be achieved with early diagnosis and intervention.
<b>12.</b>	To gain the knowledge, skills and professional characteristics determined for the internship.

## 2. CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	2	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	1	3
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levels	3	4	4	2	3	2	3	4	4	3	3	3								

**Contribution levels:** -:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high

## 3. LEARNING OBJECTIVES OF THE CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Child And Adolescent Mental Health clerkship period

CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS					
1.	Anxiety	10	Hyperactivity	19	Tobacco use
2.	Altered Consciousness	11	Suicide (Thought, attempt) / Self-harm	20	Sleep-related problems
3.	Cognitive disorders / Forgetfulness	12	Stuttering		
4.	Altered Mood	13	Weight gain/excess		
5.	Encopresis	14	Weight loss		
6.	Enuresis	15	Speech disorders (aphasia, dysphasia, dysarthria, etc.)		
7.	Reality testing problems (hallucination/delusion)	16	Impaired judgment		
8.	Weakness/fatigue	17	Seizure		
9.	Movement disorders	18	Learning disability		

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the "Diseases / Clinical Problems" listed below during the Child And Adolescent Mental Health clerkship period.

CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS	
LEARNING LEVELS	CLINICAL PROBLEM
In the clinical problems mentioned in the column next to;  <b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b>	1. Bipolar disorder 2. Acute and post-traumatic stress disorder 3. Emergencies related to alcohol and substance use 4. Delirium 5. Schizophrenia and other psychotic disorders
In the clinical problems mentioned in the column next to;  <b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert</b>	6. Alcohol and Substance Use Disorders 7. Physical Symptom Disorder (somatization) 1. Bipolar Disorder 8. Gender Identity Disorder 9. Agoraphobia / Specific Phobias 2. Acute and Post-traumatic Stress disorder 10. Attention Deficit and Hyperactivity Disorder 11. Dissociative Disorders



	12. Communication Disorders (Stuttering, Articulation Disorder, Social Communication Disorder, Language Disorder) 13. Obsessive-Compulsive Disorder 14. Autism spectrum Disorder 15. Panic Disorder 16. Social Anxiety Disorder 5. Schizophrenia and Other Psychotic Disorders 17. Tic Disorders 18. Generalized Anxiety Disorder 19. Eating Disorders 20. Disruptive Behavior Disorders, Impulse Control and Behavior Disorders 21. Intellectual Disability 22. Sleep Disorders
In the clinical problems mentioned in the column next to;  <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b>	4. Delirium 23. Depressive Disorder
In the clinical problems mentioned in the column next to;  <b>Be able to Diagnose and Treat (DT)</b>	-----
In the clinical problems mentioned in the column next to;  <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	6. Alcohol and Substance Use Disorders 1. Bipolar Disorder 3. Emergencies related to alcohol and substance use 4. Delirium 23. Depressive Disorder 5. Schizophrenia and Other Psychotic Disorders
In the clinical problems mentioned in the column next to;  <b>be able to follow up (F) in necessary cases</b>	1. Bipolar Disorder 4. Delirium 23. Depressive Disorder

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Child and Adolescent Mental Health clerkship period.

CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	BASIC MEDICINE APPLICATIONS
Skills specified in the adjacent column;  <b>Knows</b> how to practice and <b>explains</b> the results to patients and / or relatives  <b>(LEARNING LEVEL 1)</b>	-----

Skills specified in the adjacent column;  <b>In an emergency</b> , performs the application in accordance <b>with the guide / instruction</b> <b>(LEARNING LEVEL 2)</b>	<ol style="list-style-type: none"> <li>1. Assessing Legal Capacity</li> <li>2. Suicide Intervention</li> </ol>
Skills specified in the adjacent column;  performs pre-assessment / evaluation in <b>uncomplicated</b> , frequent, cases creates necessary plans and informs patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 3)</b>	<ol style="list-style-type: none"> <li>3. Ability to evaluate the mental state</li> <li>4. Ability to take psychiatric history</li> <li>5. Forensic case examination</li> <li>6. Mental state examination</li> <li>7. To prepare a forensic report</li> <li>8. Counseling on disability report</li> <li>9. To be able to prepare health reports in accordance with current legislation</li> <li>10. To be able to interpret the results of screening and diagnostic examinations</li> <li>11. To be able to stabilize the emergency psychiatric patient</li> <li>12. To be able to manage forensic cases</li> </ol>
Skills specified in the adjacent column;  Pre-evaluate the application including <b>complex</b> situations / cases, creates the necessary plans and informs the patients and their relatives <b>and does the application</b> <b>(LEARNING LEVEL 4)</b>	<ol style="list-style-type: none"> <li>13. Taking general and problem-oriented stories</li> <li>14. Consciousness Assessment</li> <li>15. To be able to prepare a legal case report</li> <li>16. Ability to take enlighting and consent</li> <li>17. Ability to prepare an epicrisis</li> <li>18. Ability to prepare a patient file</li> <li>19. Ability to prepare a prescribing</li> <li>20. To be able to prepare a treatment rejection document</li> <li>21. Ability to refer the patient appropriately</li> </ol>

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the “**Behavioral, Social and Humanities**” listed below during the Child And Adolescent Mental Health clerkship period

<b>CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES</b>	
	<b>1. Discrimination, bias, stigma</b> b. Vulnerable groups (elderly, disabled, convicts and prisoners, etc.)
	<b>2. Addiction</b> a. Alcohol b. Tobacco c. Drug d. Behavioral addiction (gambling, shopping, technology, internet addiction) to. e. Family and social burden due to addiction
	<b>4. Work and health interaction</b> to. Vulnerable groups (child / immigrant / old / young workers)
	<b>5. Environment and health interaction</b> j. Social environment and social well-being
	<b>6. Child neglect and abuse</b> a. Negligence (emotional, physical, medical, educational, etc.) b. Abuse (physical, emotional, sexual)

	<ul style="list-style-type: none"> <li>c. Child labor</li> <li>d. Boy living on the street</li> <li>e. Adolescent pregnancies</li> <li>f. Child marriage</li> </ul>
	<b>8. Difficulties in physician-patient interaction</b> <ul style="list-style-type: none"> <li>c. Manipulative patient</li> <li>d. Resistant patient</li> <li>e. Malingering (using healthcare by pretending to be a patient to gain benefit)</li> <li>f. Patient in mourning</li> <li>g. Somatic symptoms triggered by somatization / psycho-social factors</li> <li>h. Patients who frequently apply to the hospital</li> </ul>
	<b>11. Human rights and health</b> <ul style="list-style-type: none"> <li>a. Violations of the right to health</li> </ul>
	<b>12. Unemployment and poverty</b> <ul style="list-style-type: none"> <li>b. Child labor</li> </ul>
	<b>15. Global climate crisis</b> <ul style="list-style-type: none"> <li>e. Vulnerable groups</li> </ul>
	<b>18. Death, the dying individual and mourning</b> <ul style="list-style-type: none"> <li>a. Mourning and prolonged mourning</li> <li>c. Giving bad news</li> </ul>
	<b>19. Priority / disadvantaged groups</b> <ul style="list-style-type: none"> <li>a. Children with special needs (chronic health problems, neuro-developmental disorders) / disabled people</li> <li>b. Children (unaccompanied, protected and street children)</li> </ul>
	<b>20. Psychological and social well-being</b> <ul style="list-style-type: none"> <li>h. Flexibility / resilience, embracing uncertainties / dilemmas</li> </ul>
	<b>23. Aspects of Health Practices Requiring Self-Criticism</b> <ul style="list-style-type: none"> <li>h. Faulty applications in traditional and complementary medicine</li> </ul>
	<b>25. Health conditions</b> <ul style="list-style-type: none"> <li>d. Participation in social life</li> <li>g. School health</li> </ul>
	<b>27. Stress</b> <ul style="list-style-type: none"> <li>e. Physical and mental complaints due to stress</li> </ul>
	<b>28. Violence</b> <ul style="list-style-type: none"> <li>b. Violence against children</li> <li>e. Violence in vulnerable groups</li> <li>f. Peer bullying</li> </ul>
	<b>29. Technology and health interaction</b> <ul style="list-style-type: none"> <li>a. Artificial intelligence</li> <li>d. Current diagnostic-treatment tools</li> <li>f. Technology addiction, misuse of technology</li> <li>h. Online health apps</li> </ul>
	<b>31. Professionalism in Medicine</b> <ul style="list-style-type: none"> <li>b. Honesty, respect for confidentiality, truth-telling, respect for privacy</li> </ul>

	<b>34. Reproductive health / Sexual health</b> c. Adolescent pregnancy g. Sexual assault

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Child and Adolescent Mental Health clerkship

<b>ATTITUDES THAT SHOULD BE GAINED FOR <i>PROFESSIONALITY</i> DURING THE CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP</b>	
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.	
2. Communication skills, communication in difficult situations, interpersonal relations and teamwork	
3. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.	
4. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.	
5. Patient rights, physician responsibility, patient-physician relationship.	
6. Reflective thinking and practice, continuous individual and professional development, education and consultancy.	

#### 4. CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP - WEEKLY COURSE PROGRAM

<b>SESSION V CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- WEEKLY COURSE PROGRAM</b>			
<b>Days</b>	<b>Subject of The Lesson</b>	<b>Lesson Time</b>	<b>Teaching Staff</b>
<b>Monday</b>	<b>I. Week</b>		
	Information about Internship and Ethical and Professional Values in Clinical Practice	09.00-11.00	Asst. Prof. I. ESİN
	Speech (Communication) Disorders	14.00-16.00	Asst. Prof. A. BOZKURT
<b>Tuesday</b>	Case-Based Learning (CBL) Session 1	08.00-10.00	Asst. Prof. E.DEMİRDÖĞEN
	Forensic Applications	10.00-11.00	Asst. Prof. I. ESİN
	Enuresis -Enkoprezis	13.00-14.00	Asst. Prof. I. ESİN
	Independent Working Hour	14.00-17.00	
<b>Wednesday</b>	Independent Working Hour	09.00-10.00	
	Autism Spectrum Disorder	10.00-12.00	Asst. Prof. E.DEMİRDÖĞEN
	Autism Spectrum Disorder	13.00-17.00	Asst. Prof. E.DEMİRDÖĞEN
<b>Thursday</b>	Independent Working Hour	08.00- 09.00	
	Intellectual disability	09.00- 11.00	Asst. Prof. A. BOZKURT
	Intellectual disability	14.00-16.00	Asst. Prof. A. BOZKURT
	Approach to Child Abuse	16.00-17.00	Asst. Prof. I. ESİN
<b>Friday</b>	Independent Working Hour	08.00-09.00	
	School Rejection	09.00-10.00	Asst. Prof. E.DEMİRDÖĞEN
	Attention Deficit Hyperactivity Disorder	10.00-12.00	Asst. Prof. E.DEMİRDÖĞEN
	Attention Deficit Hyperactivity Disorder	14:00-16:00	Asst. Prof. E.DEMİRDÖĞEN
<b>Monday</b>	<b>II. Week</b>		
	Independent Working Hour	08.00-09.00	
	Tic Disorder	09.00-10.00	Asst. Prof. A. BOZKURT
	Emergency Approach I	10.00-12.00	Asst. Prof. I. ESİN
<b>Tuesday</b>	Emergency Approach II and Drug side effects	13.00-17.00	Asst. Prof. I. ESİN
	Case-Based Learning (CBL) Session 2	08.00-10.00	Asst. Prof. A. BOZKURT

	Oppositional-Oppositional Disorder	11.00-12.00	Asst. Prof. E.DEMİRDÖĞEN
	Conduct Disorder and Treatment	14.00-15.00	Asst. Prof. E.DEMİRDÖĞEN
	Independent Working Hour	15.00-17.00	
<b>Wednesday</b>	Independent Working Hour	08.00-09.00	
	Case-Based Learning (CBL) Session 3	09.00-11.00	Asst. Prof. E.DEMİRDÖĞEN
	Independent Working Hour	13.00-17.00	
<b>Thursday</b>	Case-Based Learning (CBL) Session 4	08.00-10.00	Asst. Prof. A. BOZKURT
	Specific Learning Disorder	10.00-12.00	Asst. Prof. A. BOZKURT
	Specific Learning Disorder	13.00-14.00	Asst. Prof. A. BOZKURT
<b>Friday</b>	EXAM	09.30	Department of Child and Adolescent Psychiatry Seminar Hall

## 5. MATCHING CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP COURSES WITH LEARNING OBJECTIVES

MATCHING CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptoms / Conditions	Clinical problem	Basic Medical Practices	Behavioral, Social and Humanities
CAMH001	Semiology	Assistant Professor I. ESİN	1		2, 3		3, 4, 5, 6, 9, 10, 13, 14, 16, 17, 18, 19, 20, 21	1(b), 3(e), 5(j), 6(e)(f), 8(d)(h), 18(c), 20(h), 23(h), 25(g), 31(b), 29(h), 15(e), 11(a)
CAMH 002	Speech (Communication ) Disorders	Assistant Professor H. Doğru	1		12, 15	12		
CAMH S003	Acute Stress Disorder Post-Traumatic Stress Disorder	Assistant Professor H. Doğru	2		1	2		
CAMH 005	Forensic Applications	Assistant Professor I. ESİN	1		16	21	1, 5, 7, 12, 15	
CAMH 006	Anxiety Disorder	Assistant Professor H. Doğru	1		1	9, 15, 16, 18		
CAMH 007	Enuresis - Enkoprezis	Assistant Professor I. ESİN	1		5, 6			
CAMH 008	Mood Disorders in Children	Assistant Professor H. Doğru	3		4	23, 1		8(f)
CAMH 009	Sleep Disorders in Children and Adolescents	Assistant Professor H. Doğru	1		20	22		
CAMH 010	Autism Spectrum Disorder	Assistant Professor I. ESİN	2			14	8	19(a), 25(d)
CAMH 011	Elective / Freelance Work	Assistant Professor H. Doğru	2		18	21	8	19(a)
CAMH 012	Intellectual disability	Assistant Professor I.	1					19(b), 6(a)(b)(c)(d),

		ESIN						12(b), 15(f)(e), 28(b), 34(g)
CAMH 013	Approach to Child Abuse	Assistant Professor I. ESIN	.1		13			29(f)
CAMH 014	Impulse Control Disorders Alcohol- Substance Use Disorder	Assistant Professor I. ESIN	1		19	3, 6		2(a)(b)(c)(d)(e)
CAMH 015	School Rejection	Assistant Professor H. Doğru	1		1			
CAMH 016	Obsessive compulsive disorder	Assistant Professor H. Doğru	2			13		
CAMH 017	Attention Deficit Hyperactivity Disorder	Assistant Professor H. Doğru	2		10	10		
CAMH 018	Tic Disorder	Assistant Professor H. Doğru	1		9	17		
CAMH 019	Emergency Approach	Assistant Professor I. ESIN	6			4	2, 12	
CAMH 020	Suicide Behavior and Self-harm	Assistant Professor I. ESIN	1		11		2	
CAMH 021	Oppositional- Oppositional Disorder	Assistant Professor I. ESIN	1					
CAMH 022	Conduct Disorder and Treatment	Assistant Professor H. Doğru	2			20		
CAMH 023	Schizophrenia and other psychotic disorders	Assistant Professor I. ESIN	2		7	5		
CAMH 024	Eating disorder	Dr. Öğr. Üyesi H. Doğru	1		14	19		
CAMH 025	Diagnostic Classification	Assistant Professor I. ESIN	1					29(a)(d)
CAMH 026	Sexual Identity Disorders	Assistant Professor H. Doğru	1			8		
CAMH 027	Developmental Problems	Dr. Öğr. Üyesi H. Doğru	1					
CAMH 028	Specific Learning Disorder	Assistant Professor I. ESIN	1		18			19(a)
CAMH 029	Somatoform Disorders	Dr. Öğr. Üyesi H. Doğru	2		17	7		8(c)(e)(g), 27(e)
CAMH 030	Dissociative disorders	Dr. Öğr. Üyesi H. Doğru	2			11		

CAMH 019	Outpatient Applications	Department Staffs		4				
CAMH 020	Notification meeting of internship goals and objectives	Department Staffs	1					
CAMH 021	Post-internship feedback meeting	Department Staffs	1					

## 6. LEARNING METHODS OF CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP PROGRAM

LEARNING METHODS OF CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP PROGRAM	
Learning Methods Related with Knowledge:	
<ul style="list-style-type: none"> <li>• Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences</li> <li>• On-the-job learning and assessment</li> <li>• Structured case discussion</li> </ul>	
Learning Methods Related with Medical practices:	
<ul style="list-style-type: none"> <li>• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures</li> <li>• Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)</li> <li>• CBL (Case-based learning)</li> <li>• Independent learning</li> </ul>	
Learning Methods Related with Professionalism	
<ul style="list-style-type: none"> <li>• Critical situation discussions</li> <li>• Reflection sessions</li> <li>• Written visual texts readings and interpretations</li> <li>• On-the-job learning and assessment (MiniPET)</li> </ul>	

## 7. “STUDENT TRAINEE REPORT” FOR CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “**Atatürk University Faculty of Medicine Trainee Report**” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP STUDENT TRAINEE REPORT			
Name:.....Surname:.....			
Student Number:		Date:...../...../.....	
I- Basic Medicine Practices	Learning Level**	Number of Applications	Teaching Staff Approve (Date)
<b>A. Taking Anamnesis</b>			
Ability to take psychiatric history	3	1*	
Ability to evaluate the mental state	3	1*	
<b>B. Physical Examination (General and Problem-Oriented)</b>			
Mental Status Examination	3	1*	
Consciousness Assessment	4	1*	
<b>C. Registration, Reporting and Notification</b>			
Write a prescription	4	1*	
Ability to Edit a Forensic Case Notification	4	1*	
Preparing a patient file	4	1*	
Counseling on disability report	3	1*	
<b>D. Laboratory Tests and Other Related Processes</b>			
To be able to interpret the results of screening and diagnostic examinations	3	1*	
<b>E. Interventional and Non-Interventional Applications</b>			
Ability to stabilize the emergency psychiatric patient	3	1*	
Managing forensic cases	3	1*	
<b>Total Basic Medicine Practice score (out of 5 point)</b>			
<b>II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)</b>			
Compliance with internship rules			
Compliance with teamwork			
<b>Total Professionalism score (out of 5 point)</b>			
<b>III- Clinical Problem Solving (out of 5)</b> (Given from the performance shown in Case Based Learning sessions)			
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)</b>			
Teaching Staff Date and Sign		Head of Department Date and Sign	

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

\*\*Learning Level\*\*



Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

## 8. ASSESSMENT AND EVALUATION METHODS IN CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP

ASSESSMENT AND EVALUATION METHODS IN CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP
PRACTICAL-ORAL EXAMINATION
<ul style="list-style-type: none"> <li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (15%) <ul style="list-style-type: none"> <li>➢ <b>Basic Medicine Practices</b> (5 %).</li> <li>➢ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).</li> <li>➢ <b>Clinical Problem Solving</b> (Given from the performance shown in <b>Case Based Learning sessions</b>) (out of 5)</li> </ul> </li> <li>• <b>Oral Examination:</b> Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85 %)</li> <li>• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.</li> <li>• Students who fail the practical-oral examination, take the make-up exam.</li> <li>• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam.</li> </ul>
THEORETICAL EXAM
<ul style="list-style-type: none"> <li>• It consists of a total of 20 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision)</li> <li>• Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.</li> <li>• Students who fail the theoretical examination, take the make-up exam.</li> </ul>
SUCCESS GRADE
<ul style="list-style-type: none"> <li>• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.</li> </ul>
MAKE-UP EXAM
<ul style="list-style-type: none"> <li>• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.</li> </ul>

## SESSION V PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP GUIDE

<b>Code</b>	TPT-502
<b>Period</b>	2 weeks

<b>Type</b>	Elective
<b>ECTS</b>	5

### PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP- Prerequisite Courses

<b>1</b>	Taken the pre-clinical courses
<b>2</b>	Taken courses in the relevant committee (s) in session 3

### REFERENCES (RESOURCE BOOK - OTHERS)

<b>1.</b>	Grabb and Smith's Plastic Surgery
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### PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP- RULES FOR STUDENTS

<b>1</b>	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
<b>2</b>	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
<b>3</b>	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
<b>4</b>	Students are obliged to keep the “ <b>Ataturk University Faculty of Medicine Trainee Report</b> ” which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
<b>5</b>	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
<b>6</b>	<b>In order to be successful at the end of the clerkship;</b> Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the <b>Trainee Report</b> and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”.
<b>7</b>	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “ <a href="http://anket.atauni.edu.tr">http://anket.atauni.edu.tr</a> ”. The participation link to the survey will be sent to the students by the dean's management.

### 1. PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP- OBJECTIVE OF THE PROGRAM

#### OBJECTIVE OF THE PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP PROGRAM

<b>13.</b>	To be able to make a preliminary diagnosis by evaluating the embryology, anatomy and physiological features of the body structures that are in the field of plastic, reconstructive and aesthetic surgery, and the symptoms and findings of the diseases that affect them.
<b>14.</b>	To be able to perform or direct the emergency treatment by identifying emergencies such as maxillofacial trauma, burn, hand injury, amputation, which are within the scope of the Plastic, Reconstructive and Aesthetic Surgery clinic.
<b>15.</b>	To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria

16.	To be able to provide referral when necessary after emergency intervention and treatment
17.	To direct the patient and family correctly in congenital anomalies and to provide the necessary rehabilitation approach until the time of surgery.
18.	To gain the knowledge, skills and professionalism characteristics determined for the internship.

## 2. PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	5	5	4	5	5	5	4	4	5	5	5	5	4	3	4	4	4	5	3	4
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levels	4	4	4	4	5	4	5	5	4	4	4	4								

**Contribution levels:** -:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high

## 3. LEARNING OBJECTIVES OF THE PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the **PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY** clerkship period

1.	Wound in the mouth	10	Maxillofacial traumas
2.	Aesthetic defects acquired in the body	11	Hair loss
3.	Mass on the neck	12	Burn
4.	Shape disorders in breast	13	Movement defect in the fingers and wrist
5.	Changes in skin and its appendages (dryness, discoloration, etc.) *	14	Mass in the face
6.	Limb amputations	15	Cleft lip and palate
7.	Freezing	16	Hand injury
8.	Asymmetry in the face	17	Congenital aesthetic defects in the body
9.	Gynecomastia	18	Wounds and injuries

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the "Diseases / Clinical Problems" listed below during the **PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY** clerkship period.

PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS	
LEARNING LEVELS	CLINICAL PROBLEM
In the clinical problems mentioned in the column next to;  <b>Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary</b>	1. Freezing 2. Extremity trauma / fractures 3. Skin injuries 4. Burns 5. Facial Paralysis
In the clinical problems mentioned in the column next to;  <b>Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations</b>	6. Head and neck tumors 7. Skin tumors 8. Lymphedema / Lipedema 9. Septum deviation 10. Vascular malformations / hemangioma

<b>and direct it to the expert</b>	
In the clinical problems mentioned in the column next to;  <b>To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures</b>	11. Cleft palate, cleft lip
In the clinical problems mentioned in the column next to;  <b>Be able to Diagnose and Treat (DT)</b>	12. Pressure sores 13. Skin and soft tissue infections, abscesses 4. Burns
In the clinical problems mentioned in the column next to;  <b>Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)</b>	6. Head - neck tumors 7. Skin tumors 8. Lymphedema / Lipedema 13. Skin and soft tissue infections, abscesses
In the clinical problems mentioned in the column next to;  <b>be able to follow up (F) in necessary cases</b>	8 Lymphedema / Lipedema 12. Pressure sores

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the **PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY** clerkship period.

PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	BASIC MEDICINE APPLICATIONS
<p>Skills specified in the adjacent column;</p> <p><b>Knows</b> how to practice and <b>explains</b> the results to patients and / or relatives</p> <p><b>(LEARNING LEVEL 1)</b></p>	<ol style="list-style-type: none"> <li>1. Muscle - skeletal system examination</li> <li>2. To be able to prepare a forensic report</li> <li>3. To be able to organize a forensic case notification</li> <li>4. To be informed and to get approval</li> <li>5. To be able to advise on disability report</li> <li>6. To prepare epicrisis</li> <li>7. To be able to prepare health reports in accordance with current legislation</li> <li>8. To prepare patient file</li> <li>9. To be able to apply the principles of rational drug use</li> <li>10. Ability to request rational laboratory and imaging examination</li> <li>11. Evaluation of multiple trauma patients</li> <li>12. Consciousness Evaluation</li> <li>13. Ear-nose-throat and head and neck examination</li> <li>14. Being able to refer the patient appropriately</li> <li>15. Reporting legally notifiable diseases and conditions</li> <li>16. To be able to carry the amputated limb properly after trauma</li> <li>17. Being able to take samples for culture</li> <li>18. Ability to provide health care in extraordinary situations</li> </ol>
<p>Skills specified in the adjacent column;</p> <p><b>In an emergency</b>, performs the application in accordance <b>with the guide / instruction</b></p> <p><b>(LEARNING LEVEL 2)</b></p>	<ol style="list-style-type: none"> <li>19. To apply the principles of working with biological material</li> <li>20. To be able to provide decontamination, disinfection, sterilization, antiseptis.</li> <li>21. To be able to fill the request form for laboratory examination</li> <li>22. Ability to take the laboratory sample under appropriate conditions and deliver it to the laboratory</li> <li>23. To be able to prepare and apply splints</li> <li>24. Being able to apply bandages, turnstiles</li> <li>25. To be able to take measures to stop / limit external bleeding</li> <li>26. Hand washing</li> </ol>
<p>Skills specified in the adjacent column;</p> <p>performs pre-assessment / evaluation in <b>uncomplicated</b>, frequent, cases creates necessary plans and informs patients and their relatives <b>and does the application</b></p> <p><b>(LEARNING LEVEL 3)</b></p>	<ol style="list-style-type: none"> <li>27. Ability to take general and problematic stories</li> <li>28. To evaluate the mental state</li> <li>29. Skin examination</li> <li>30. Evaluation of general condition and vital signs</li> <li>31. Breast and axillary examination</li> <li>32. To be able to receive information and consent</li> <li>33. To be able to prepare epicrisis</li> <li>34. To prepare patient file</li> <li>35. To be able to issue a recipe</li> <li>36. To be able to prepare refusal of treatment document</li> </ol>
<p>Skills specified in the adjacent column;</p> <p>Pre-evaluate the application including <b>complex</b> situations / cases, creates the necessary plans and informs the patients and their relatives <b>and does the application</b></p> <p><b>(LEARNING LEVEL 4)</b></p>	<ol style="list-style-type: none"> <li>37. To be able to read and evaluate direct radiographs</li> <li>38. To be able to interpret the results of screening and diagnostic purposes</li> <li>39. To interfere with nosebleeds</li> <li>40. Ability to open skin and soft tissue abscesses</li> <li>41. Ability to take biological samples from the patient</li> <li>42. Ability to care for wound and burn</li> <li>43. Ability to suture and remove superficial sutures</li> </ol>

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the “**Behavioral, Social and Humanities**” listed below during the **PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY** period

PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	1. Scientific research methods and ethics Evidence-based medical practices  2. Work and health interaction Accidents at work  3. Legal and ethical situations Professional duties and obligations b. Informed consent and special cases c. Coordination of the health service delivery process (situations requiring cooperation and team service in preventive, curative and rehabilitative services) and ethics  4. Human rights and health a. Right to health violations Patient rights and responsibilities  5. Accidents a. Home accidents Traffic accidents Work accidents

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of **PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY** clerkship

ATTITUDES THAT SHOULD BE GAINED FOR <i>PROFESSIONALITY</i> DURING THE PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.  2. Rights-based health approach  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork  4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.

7. Problems and dilemmas for professionalism / ethics in health processes.
8. Legal problems in health processes.
9. Research and publication ethics.
10. Determinants of health, inequality in health, social gender and health.
11. Health systems, health policies.
12. Health economics and management.
13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.
14. Work culture in coordination with other members of the team and disciplines
15. Being able to share their knowledge and professional experience with other members of the team,

#### 4. PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP - WEEKLY COURSE PROGRAM

SESSION V PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP- WEEKLY COURSE PROGRAM			
Days	Subject of The Lesson	Lesson Time	Teaching Staff
<b>I. Week</b>			
<b>Monday</b>	Visit	08 30-09 30	
	Operating Room Application	10 00-12 00	
	Introduction to The Plastic Surgery and Basic Principles	14 00-16 00	Ass. Prof. Abdulkirim OLĞUN
<b>Tuesday</b>	Visit and Clinical Practice	08 30-10 00	
	Flaps	10 00-12 00	Ass. Prof. Abdulkirim OLĞUN
	Grafts	14 00-15 00	Ass. Prof. Abdulkirim OLĞUN
<b>Wednesday</b>	Outpatient and Clinical Practice	15 00-16 00	
	Working Hours	08 30-09 00	
	Operating Room Application	09 00-12 00	
	Acute Burn Injury and Its Treatment	13 00-15 00	Ass. Prof. Abdulkirim OLĞUN
<b>Thursday</b>	Sutures and Suture Techniques	15 00-16 00	Ass. Prof. Abdulkirim OLĞUN
	Case-Based Learning (CBL) Session 1	08 30-10 00	Ass. Prof. Abdulkirim OLĞUN
	Hemangioma and Arteriovenous Malformations	10 00-12 00	Ass. Prof. Abdulkirim OLĞUN
	Wound Healing	14 00-15 00	Ass. Prof. Abdulkirim OLĞUN
<b>Friday</b>	Outpatient and Clinical Practice	15 00-16 00	
	Visit and Clinical Practice	08 30-10 00	
	Cleft Lip and Palate	10 00-12 00	Ass. Prof. Abdulkirim OLĞUN
<b>Monday</b>	Working Hours	14 00-16 00	
	<b>II. Week</b>		
	Visit	08 30-09 00	
	Operating Room Application	09 00-12 00	
	Working Hours	13 00- 15 00	
<b>Tuesday</b>	Hand Flexor Tendon Injuries	15 00-16 00	Ass. Prof. Abdulkirim OLĞUN
	Visit and Clinical Practice	08 30-10 00	
	Non-Melanotic Skin Cancers	10 00-12 00	Ass. Prof. Abdulkirim OLĞUN
	Wound Closure Methods	13 00-14 00	Ass. Prof. Abdulkirim OLĞUN
	Outpatient and Clinical Practice	14 00-16 00	

<b>Wednesday</b>	Case-Based Learning (CBL) Session 2	08.30-10 00	Ass. Prof. Abdulkерim OLĞUN
	Maxillofacial Traumas	10 00-12 00	Ass. Prof. Abdulkерim OLĞUN
	Operating Room Application	13 00-15 00	
	Hand Extensor Tendon Injuries	15 00-16 00	Ass. Prof. Abdulkерim OLĞUN
	Working Hours	16.00-17.00	
<b>Thursday</b>	Operating Room Application	08 30-10 00	
	Malignant Melanoma And Treatment	10 00- 12 00	Ass. Prof. Abdulkерim OLĞUN
	Pressure Ulcers	14 00-15 00	Ass. Prof. Abdulkерim OLĞUN
	Outpatient and Clinical Practice	15 00-16 00	
<b>Friday</b>	Visit and Clinical Practice	08 30-10 00	
	Final Exam (Practical and Theoretical)	10 00-16 00	Ass. Prof. Abdulkерim OLĞUN

## 5. MATCHING PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

DÖNEM V PLASTİK, REKONSTRÜKTİF VE ESTETİK CERRAHI STAJ DERSLERİNİN ÖĞRENİM HEDEFLERİ İLE EŞLEŞTİRİLMESİ								
Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptoms / Conditions	Clinical problem	Basic Medical Practices	Behavioral, Social and Humanities
Plastic001	Information about the clerkship- Ethical and professional values in clinical practice	Dr.Abdulkерim OLGUN	2		3, 4, 7, 8, 15, 18	1,2,3,4,5,6,7,8,9, 10,11,12,13	1,9,11,12,13,14, 15,16,23,24,25,27,30,37, 42	1,2,3,4,5
Plastic 002	Grafts	Dr.Abdulkерim OLGUN	2		15, 18	1,3,7,12,13	9,19,20,24,35,42	1,2,3,4,5
Plastic 003	Flaps	Dr.Mehmet Akif ÇAKMAK	2		12, 15, 18	1,3,7,12,13	9,19,20,24,35,42	1,2,3,4,5
Plastic 004	Acute Burn Injury and Its Treatment	Dr.Mehmet Akif ÇAKMAK	2		15, 18,	4	2,3,11,12,42	1,2,3,4,5
Plastic 005	Sutures and Suture Techniques	Dr.Abdulkерim OLGUN	2		12, 17, 18	3	43	1,2,3,4,5
Plastic 006	Hemangioma and Arteriovenous Malformations	Dr.Abdulkерim OGUN	2		2, 9, 16	10	13,14,30	1,2,3,4,5
Plastic 007	Wound Healing	Dr.Abdulkерim OGUN	2		1, 18	1, 3,4,12,13	10,17,19,20,21,22	1,2,3,4,5
Plastic 008	Cleft Lip and Palate	Dr.Mehmet Akif ÇAKMAK	2		8, 9	11	13,27,28	1,2,3,4,5
Plastic 009	Hand Extensor Tendon Injuries	Dr.Mehmet Akif ÇAKMAK	2		17, 18	2	1,2,3,4,5,7,11,12,14,16,23,24, 25,26,42,43	1,2,3,4,5
Plastic 010	Non-Melanotic Skin Cancers	Dr.Abdulkерim OGUN	2		2, 16	7	13,14,29	1,2,3,4,5
Plastic 011	Wound Closure Methods	Dr.Mehmet Akif ÇAKMAK	2		12, 17, 18	3,12,13	43	1,2,3,4,5
Plastic 012	Hand Flexor Tendon Injuries	Dr.Mehmet Akif ÇAKMAK	2		12, 17, 18	2	1,2,3,4,5,7,11,12,14,16,23,24, 25,26,42,43	1,2,3,4,5
Plastic 013	Malignant Melanoma And Treatment	Dr.Abdulkерim OGUN	2		2, 16	7	13,14,29	1,2,3,4,5
Plastic 014	Pressure Ulcers	Dr.Mehmet Akif ÇAKMAK	2		18	12	27,29,30,40,42	1,2,3,4,5
Plastic015	Maxillofacial Traumas	Dr.Mehmet Akif ÇAKMAK	2		14, 18	3,4,5,6	11,12,13,16,25,27,30,37,38, 39,43	1,2,3,4,5
Plastic	Introduction to	Dr.Abdulkерim	2		3, 4, 7, 8,	1,2,3,4,5,6,7,8,9,	1,9,11,12,13,14,	1,2,3,4,5



016	The Plastic Surgery and Basic Principles	OGUN			15, 18	10,11,12,13	15,16,23,24,25,27,30,37,42	
Plastic 017	Clinic visit			20				
Plastic 018	Outpatient clinic/operation room applications			20				

## 6. LEARNING METHODS OF PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP PROGRAM

### LEARNING METHODS OF PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP PROGRAM

#### Learning Methods Related with Knowledge:

- Structured learning activities in clinical skill laboratories and simulated patient centers
- Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences
- On-the-job learning and assessment
- Structured case discussion

#### Learning Methods Related with Medical practices:

- Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures
- Interdisciplinary learning activities (meetings, panels, group discussions)
- Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)
- CBL (Case-based learning)
- Independent learning

#### Learning Methods Related with Professionalism

- Critical situation discussions
- Reflection sessions
- Written visual texts readings and interpretations
- Student development file (portfolio) application
- On-the-job learning and assessment (MiniPET)

## 7. “STUDENT TRAINEE REPORT” FOR PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term V Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV INTERNAL MEDICINE CLERKSHIP STUDENT TRAINEE REPORT			
Name:.....Surname:.....			
Student Number:		Date:...../...../.....	
I- Basic Medicine Practices	Learning Level**	Number of Applications	Teaching Staff Approve (Date)
<b>A. Taking Anamnesis</b>			
Ability to take general and problematic stories	4	3*	
<b>B. Physical Examination (General and Problem-Oriented)</b>			
Skin, soft tissue examination	3	3*	
To be able to perform maxillofacial trauma examination	3	3*	
To be able to examine hand injury			
<b>C. Registration, Reporting and Notification</b>			
Writing prescriptions	4	3*	
Preparing a patient file	4	3	
<b>D. Laboratory Tests and Other Related Processes</b>			
To take the laboratory sample under suitable conditions and send it to the laboratory under suitable conditions	4	3	
Filling the request form for laboratory examination	4	3	
To be able to interpret the results of screening and diagnostic purposes	3	3*	
<b>E. Interventional and Non-Interventional Applications</b>			
Burn care and dressing	3	1*	
To be able to refer amputated limb under suitable conditions	3	1	
Skin, subcutaneous suturing and sture removing	4	2	
<b>I-Total Basic Medicine Practice score (out of 5 point)</b>			
<b>II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)</b>			
<b>Total Professionalism score (out of 5 point)</b>			
<b>III- Clinical Problem Solving (out of 5)</b> (Given from the performance shown in Case Based Learning sessions)			
<b>TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)</b>			
Teaching Staff Date and Sign		Head of Department Date and Sign	

\* Performing or monitoring on the patient or in the simulation lab with Teaching Staff

\*\*Learning Level\*\*

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

## 8. ASSESSMENT AND EVALUATION METHODS IN PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP

ASSESSMENT AND EVALUATION METHODS IN INTERNAL MEDICINE CLERKSHIP
PRACTICAL-ORAL EXAMINATION
<ul style="list-style-type: none"> <li>• <b>Trainee Report:</b> Total contribution to the Practical-Oral Examination (15%) <ul style="list-style-type: none"> <li>➤ <b>Basic Medicine Practices</b> (5 %).</li> <li>➤ <b>Professionalism in Medical Practices:</b> It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).</li> <li>➤ <b>Clinical Problem Solving</b> (Given from the performance shown in <b>Case Based Learning sessions</b>) (out of 5)</li> </ul> </li> <li>• <b>Practical Exam:</b> It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%)</li> <li>• <b>Oral Examination:</b> Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %)</li> <li>• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.</li> <li>• Students who fail the practical-oral examination, take the make-up exam.</li> <li>• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam.</li> </ul>
THEORETICAL EXAM
<ul style="list-style-type: none"> <li>• It consists of a total of 5 classical written questions and and case-based questions (evaluating clinical information and clinical decision)</li> <li>• Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.</li> <li>• Students who fail the theoretical examination, take the make-up exam.</li> </ul>
SUCCESS GRADE
<ul style="list-style-type: none"> <li>• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.</li> </ul>
MAKE-UP EXAM
<ul style="list-style-type: none"> <li>• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.</li> </ul>